SONY

ELECTRONIC VIEWFINDER

HDVF-C750W
HDVF-C700W

HDVS

MAINTENANCE MANUAL

1st Edition (Revised 1)

Serial No. 10001 and Higher: HDVF-C750W

Serial No. 10001 and Higher: HDVF-C700W

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres.
Pour toute réparation faire appel à une personne compétente uniquement.

Table of Contents

Manual Structure

Purpose of this manual ..... 3 (E)
Relative manual ..... 3 (E)
Contents ..... 4 (E)

1. Service Overview

1-1. Location of Printed Circuit Boards ..... 1-1 (E)
1-2. Connector Output/Input Signals ..... 1-2 (E)
1-3. Removing/Installing the LCD panel (HDVF-C750W) ..... 1-3 (E)
1-4. Removing/Installing the LCD panel (HDVF-C700W) ..... 1-4 (E)
1-5. Main Parts Replacement ..... 1-5 (E)
1-5-1. Replacing the backlight ..... 1-5 (E)
1-5-2. Fuse Replacement ..... 1-7 (E)
1-5-3. VR-265 Board Replacement ..... 1-9 (E)
1-6. Function of Internal Switches ..... 1-10 (E)
1-7. Adjusting/Setting Items after Replacing the Boards ..... 1-10 (E)
1-8. Notes on Repair Parts ..... 1-11 (E)
1-9. Fixtures ..... 1-11 (E)

2. Electrical Alignment

2-1. Equipment Required ..... 2-1 (E)
2-2. Preparation before adjustment ..... 2-1 (E)
2-2-1. Precaution before adjustment ..... 2-1 (E)
2-2-2. Initial Setting ..... 2-1 (E)
2-2-3. Connections ..... 2-1 (E)
2-3. Adjustment ..... 2-2 (E)
2-3-1. Common voltage adjustment ..... 2-2 (E)
2-3-2. Luminance adjustment ..... 2-2 (E)

3. Spare Parts

3-1. Exploded Views 3-1
3-2. Electrical Parts List 3-7
3-3. Supplied Accessories 3-17
3-4. Optional Fixtures 3-17

4. Semiconductor Pin Assignments

5. Block Diagram

Overall 5-1

6. Schematic Diagrams

Schematic Diagram Index 6-1
CN-1821 6-2
RE-183 6-3
DPR-158 6-4
PS-580 6-12
LE-218 6-14
VR-265 6-14
Frame Wiring 6-15

7. Board Layouts

CN-1821 7-1
DPR-158 7-2
LE-218 7-2
PS-580 7-3
RE-183 7-3
VR-265 7-3

Manual Structure

Purpose of this manual

This manual is the maintenance manual for HD Electronic Viewfinder HDVF-C750W and HDVF-C700W.
This manual describes the information items necessary when the unit is supplied and installed, items that premise the service based on the components parts such as alignment, schematic diagrams, board layouts and spare parts lists, assuming use of system and service engineers.

Relative manual

Besides this maintenance manual the following manual is available for this unit.

- **Operation Manual (supplied with this unit)**
  This manual is necessary for application and operation of this unit.

- **“Semiconductor Pin Assignments” CD-ROM (Available on request)**
  This “Semiconductor Pin Assignments” CD-ROM allows you to search for semiconductors used in Communication System Solutions Network Company equipment.
  Semiconductors that cannot be searched for on this CD-ROM are listed in the maintenance manual for the corresponding unit. The maintenance manual contains a complete list of all semiconductors and their ID Nos., and thus should be used together with the CD-ROM.
  Part number: 9-968-546-XX

Contents

The following are summaries of all the sections for understanding the contents of this manual.

Section 1 Service Overview

Describes location of printed circuit board, replacement of parts, function of internal switches and notes on service.

Section 2 Electrical Alignment

Describes the general information for electrical adjustment and the adjustment procedure of this unit.

Section 3 Spare Parts

Describes exploded views, parts list and supplied accessories used in the unit.

Section 4 Semiconductor Pin Assignments

Contains information on semiconductors used for the unit.
It includes a complete list of the semiconductors and their ID Nos. for retrieving information on “Semiconductor Pin Assignments” CD-ROM, which is available separately.
Please refer to this section together with the “Semiconductor Pin Assignments” CD-ROM.
Information on the semiconductors not contained in the CD-ROM at the time of issue of this manual, if any, is given in this section as well.

Section 5 Block Diagram

Describes overall block diagram of this unit.

Section 6 Schematic Diagrams

Describes schematic diagrams for every circuit board and frame wiring.

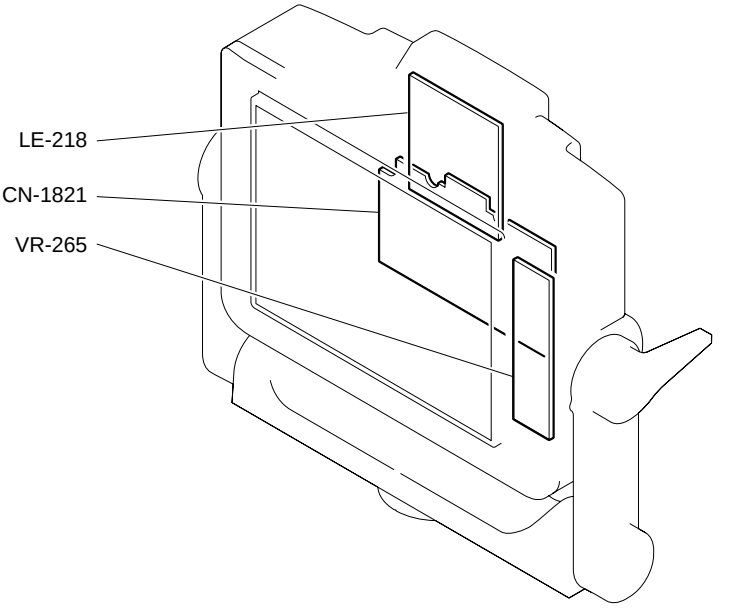
Section 7 Board Layouts

Describes board layouts for every circuit board.

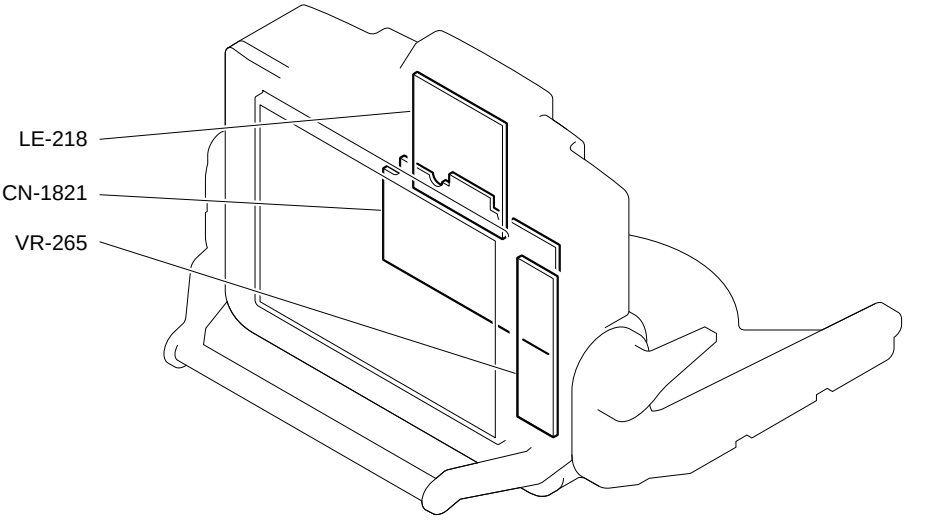
Section 1
Service Overview

1-1. Location of Printed Circuit Boards

[HDVF-C750W]



[HDVF-C700W]

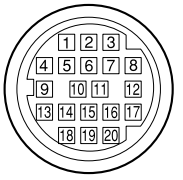


1-2. Connector Output/Input Signals

Output/input signals of the main connectors are as follows.

[HDVF-C750W]

CAMERA (20P MALE)

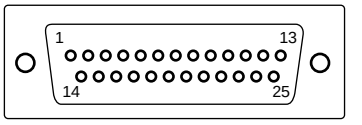


(External view)

No.	Signal	I/O	Specifications
1	S-DATA	IN/OUT	TTL level
2	NC		No connection
3	NC		No connection
4	SCK	IN	TTL level
5	COLOR/BW	OUT	B/W : GND COLOR : OPEN
6	NC		No connection
7	NC		No connection
8	G TALLY	IN	ON : +5 V OFF : GND
9	PEAKING CTL	OUT	VF to CAM (Zi = 1 kΩ) ON: +5 V OFF: GND
10	NC		No connection
11	NC		No connection
12	Y VIDEO	IN	1.0 V p-p (Zi = 75 Ω)
13	VIDEO GND	——	GND for VIDEO
14	P_B VIDEO	IN	0.7 V p-p, Zi = 75 Ω
15	P_R VIDEO	IN	0.7 V p-p, Zi = 75 Ω
16	NC		No connection
17	R TALLY	IN	ON : +5 V OFF : GND
18	NC		No connection
19	UNREG GND	——	GND for UNREG
20	UNREG	IN	+10.5 V to 17 V

[HDVF-C700W]

CAMERA (D-sub 25P, MALE)



(External view)

No.	Signal	I/O	Specifications
1	Y VIDEO (X)	IN	1.0 V p-p, Zi = 75 Ω
2	P_R VIDEO GND	——	GND for P_R VIDEO
3	P_R VIDEO (X)	IN	0.7 V p-p, Zi = 75 Ω
4	P_B VIDEO GND	——	GND for P_B VIDEO
5	P_B VIDEO (X)	IN	0.7 V p-p, Zi = 75 Ω
6	PEAKING CTL	OUT	ON: +5 V OFF: GND
7	UNREG	IN	+10.5 to +17 V
8	UNREG		
9	NC		No connection
10	S-DATA	IN/OUT	TTL level
11	R TALLY	IN	ON: +5 V OFF: 0 V
12	NC		No connection
13	NC		No connection
14	Y VIDEO GND	——	GND for Y VIDEO
15	S-CK	IN	TTL level
16	NC		No connection
17	CHASSIS GND	——	GND for CHASSIS
18	G TALLY	IN	ON: +5 V OFF: GND
19	UNREG	——	GND for UNREG
20	UNREG		
21	COLOR/BW	OUT	BW: GND COLOR: OPEN
22	H EXPAND		No connection
23	NC		No connection
24	NC		No connection
25	NC		No connection

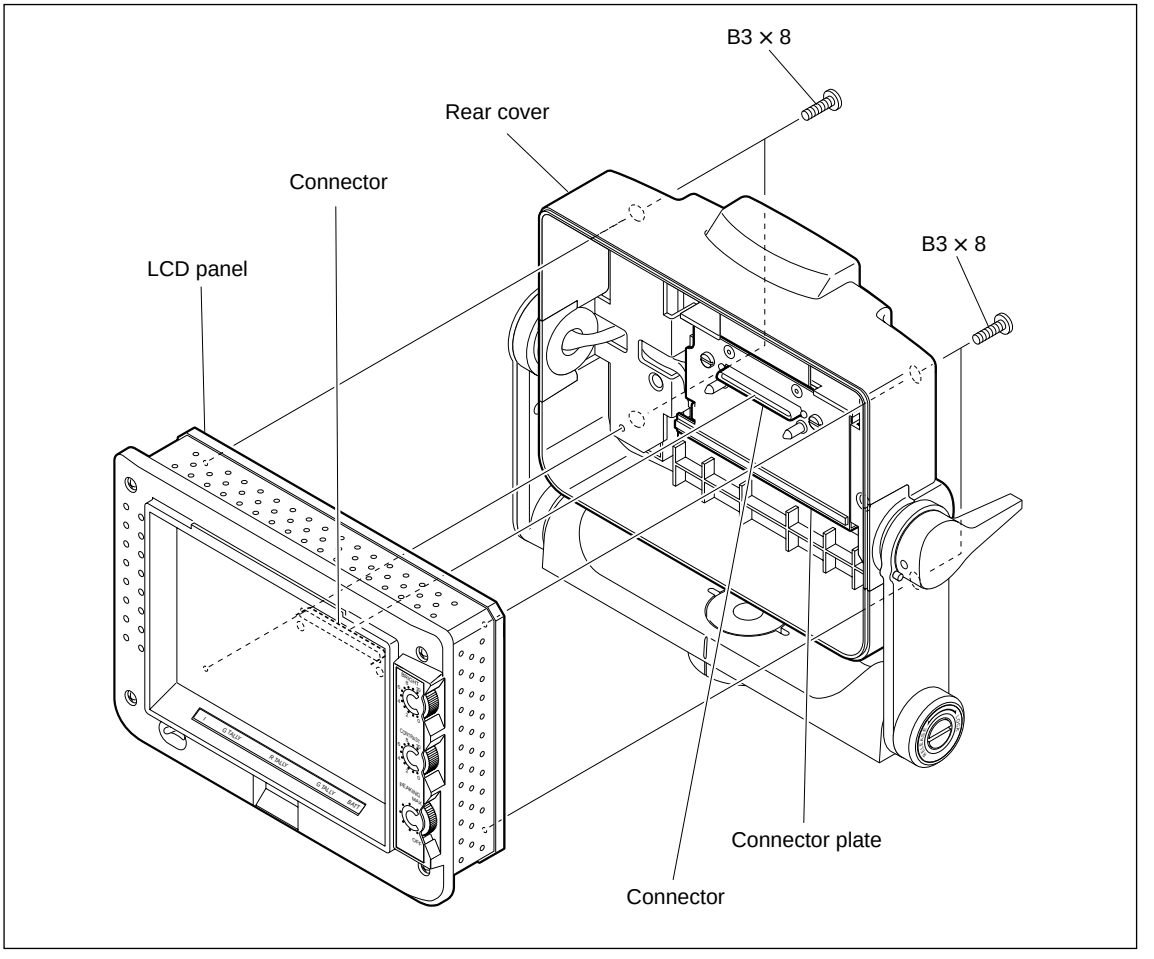
1-3. Removing/Installing the LCD panel (HDVF-C750W)

Slacken the four screws of the rear cover and pull out the LCD panel.

Install it in the reverse order of removal.

Note

Use care about a secure connection between the LCD panel and the connector of the connector plate.



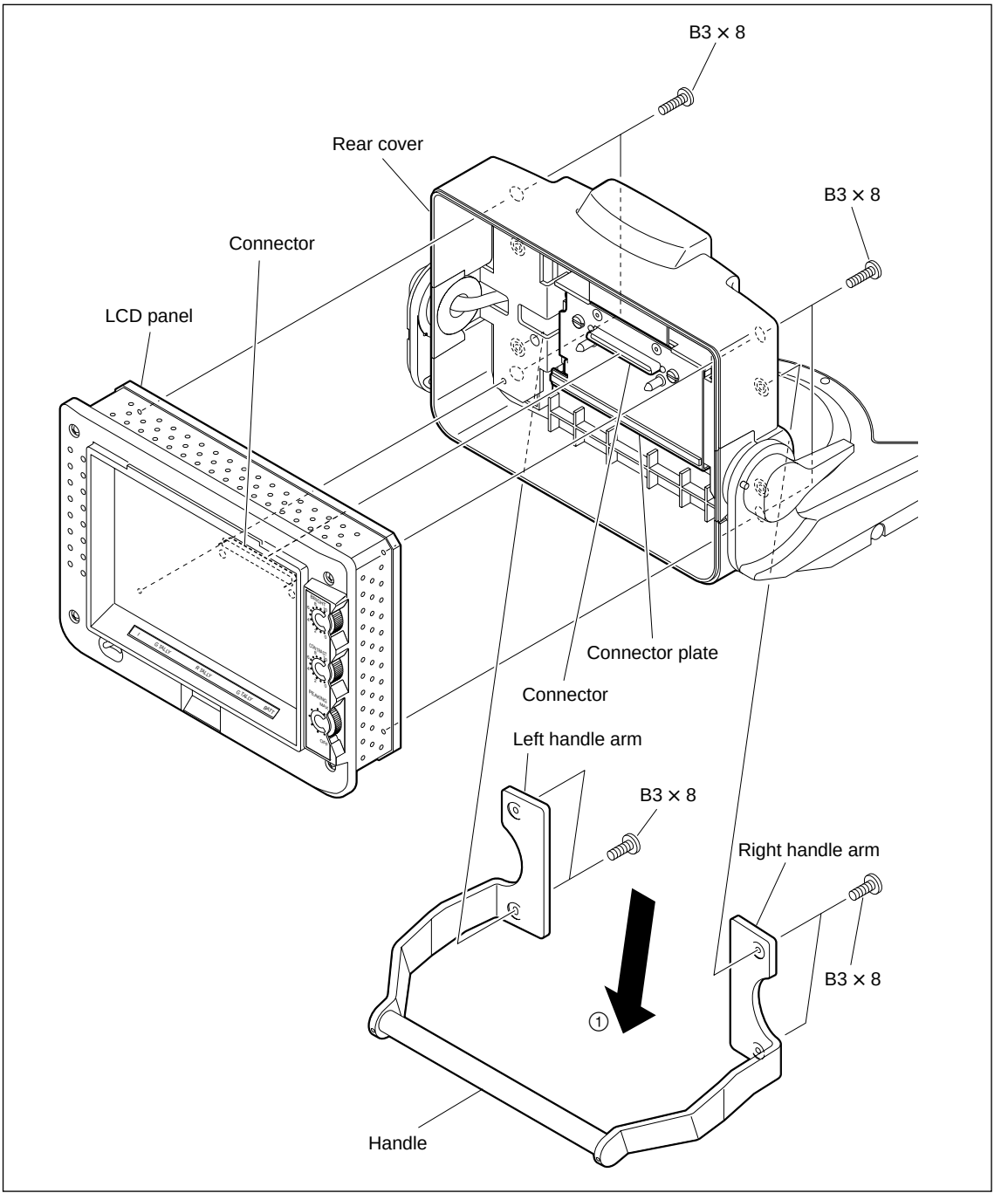
1-4. Removing/Installing the LCD panel (HDVF-C700W)

1. Remove the four screws securing the right and left handle arms.
2. Draw out the handle in the arrow ① direction shown in the figure.
3. Slacken the four screws of the rear cover and pull out the LCD panel.

Install it in the reverse order of removal.

Note

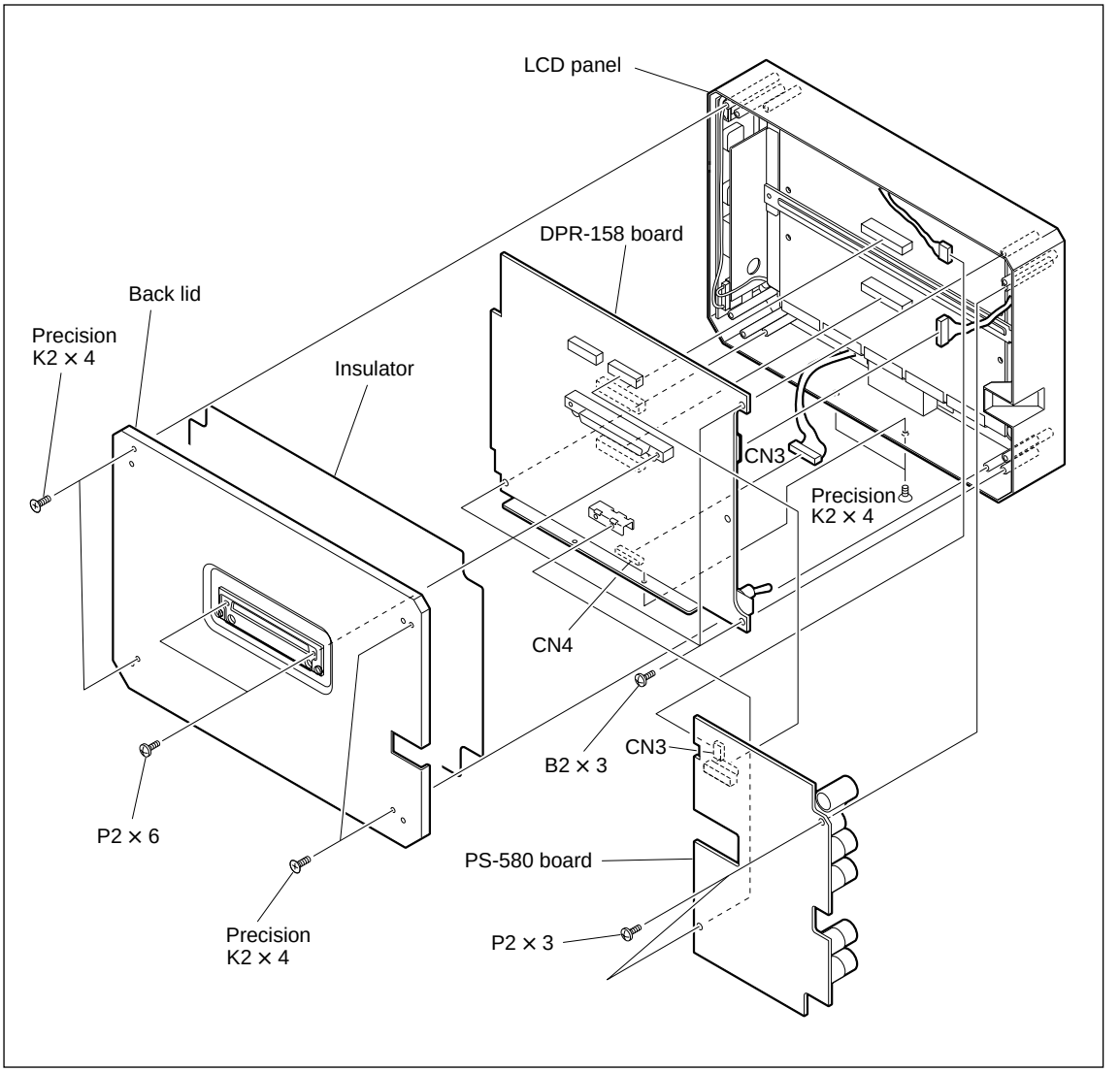
Use care about a secure connection between the LCD panel and the connector of the connector plate.



1-5. Main Parts Replacement

1-5-1. Replacing the backlight

1. Remove the LCD panel.
   (For HDVF-C750W, refer to Section 1-3, while for HDVF-C700W, refer to Section 1-4.)
2. Remove the four screws (Precision K2 × 4) and the two screws (P2 × 6) in the backside of the LCD panel to remove the back lid.
3. Remove the insulator.
4. Remove the two screws to draw out the PS-580 board.
5. Disconnect the connector CN3 of the PS-580 board.
6. Remove the three screws (B2 × 3) and two screws (Precision K2 × 4) to draw out the DPR-158 board.
7. Disconnect the two connectors CN3 and CN4 of the DPR-158 board.



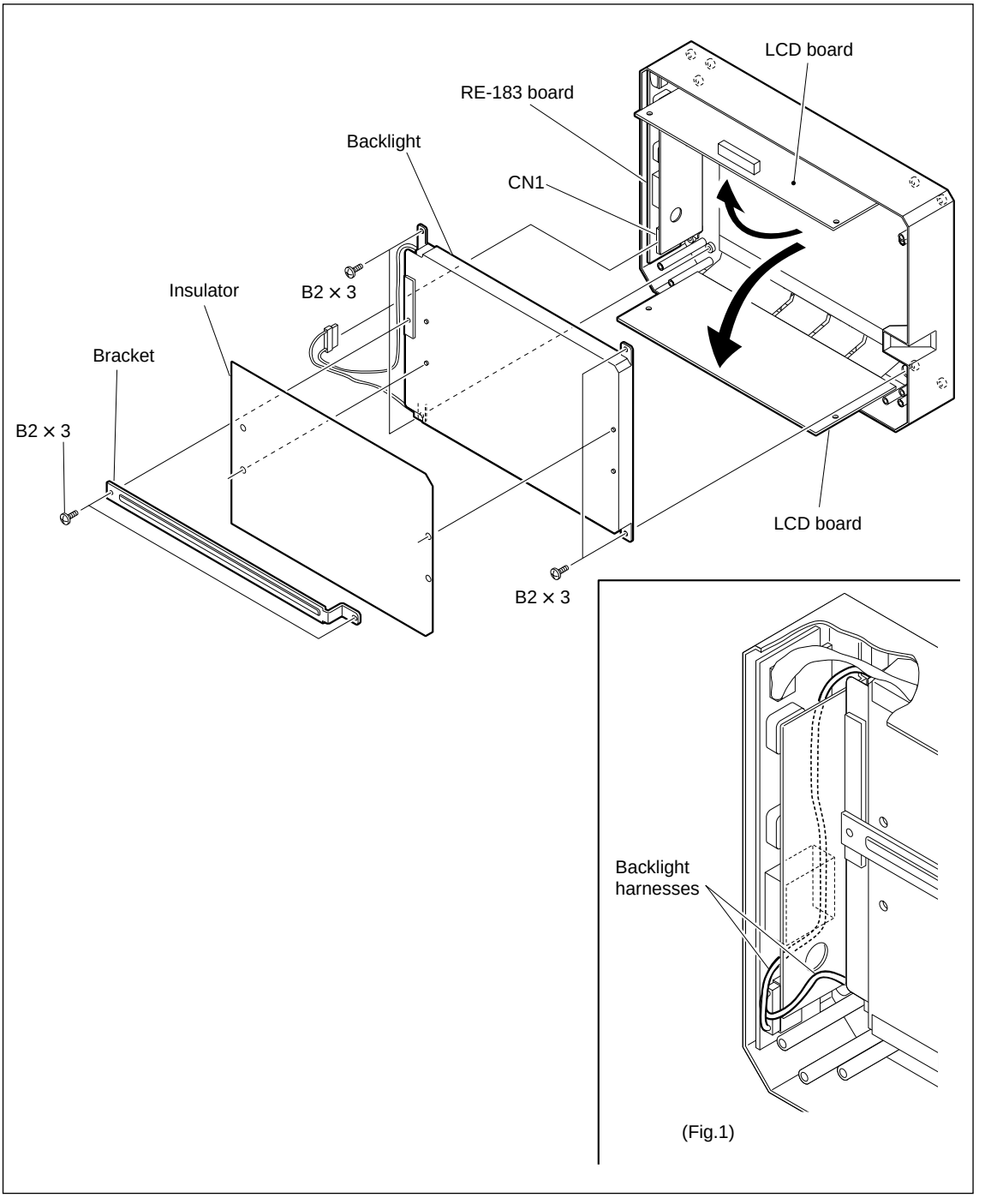
8. Remove the two screws to remove the bracket.
9. Open the LCD board and remove the insulator.
10. Remove the four screws and disconnect the connector CN1 of the RE-183 board, then remove the backlight.

Install it in the reverse order of removal.

Notes

- When installing, use care to route the harness from the backlight as shown in the figure 1.
- When fixing screws, apply locking compound* to them.

*: Three Bond 1401B (commercially available goods)



(Fig.1)

1-5-2. Fuse Replacement

Note

Fuse is critical to operating safely. Replacement with a non-authorized fuse could cause a fire or an electric shock.

When replacing, use the specified parts below.
Fuse : ⚠9-885-004-92 (PS-580 board)
Fuse(2.3A) : ⚠9-885-044-77 (RE-183 board)

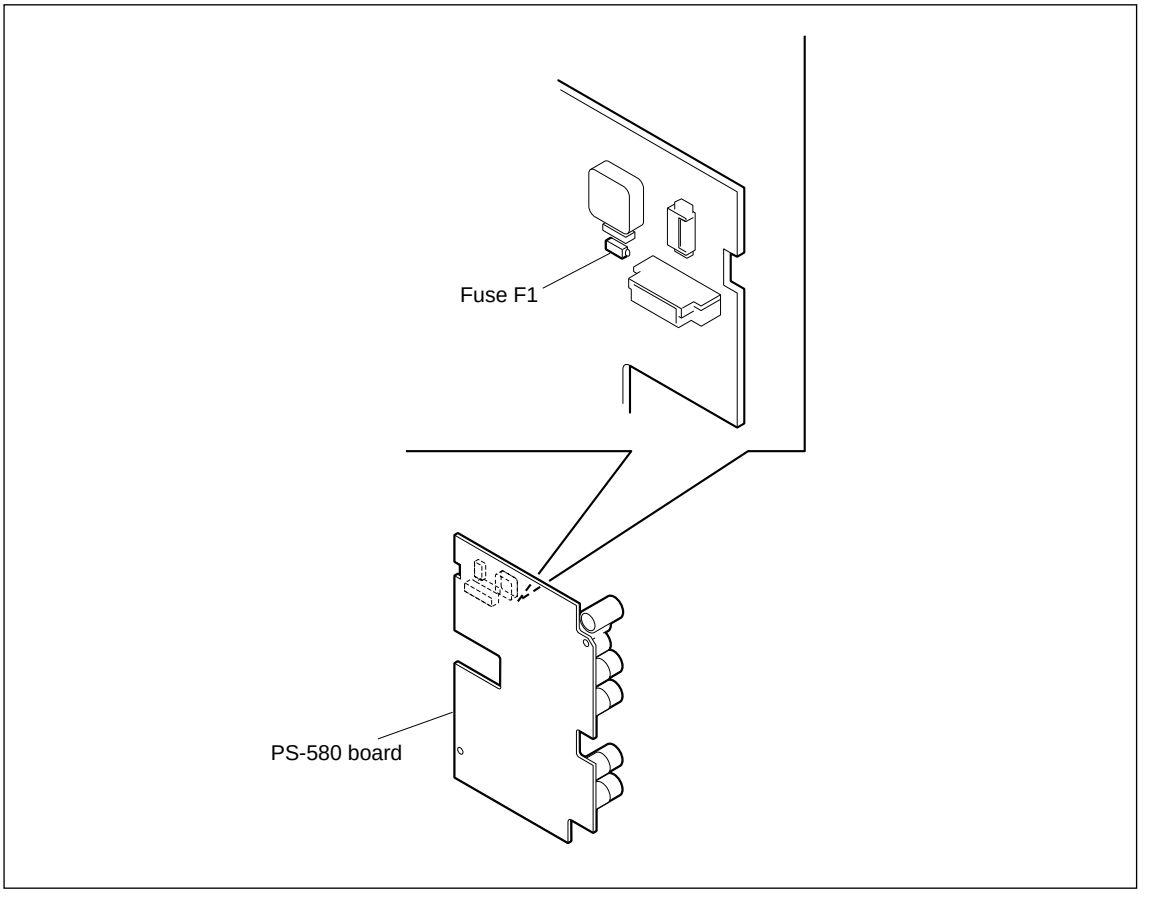
Replacing a fuse on the PS-580 board

1. Remove the LCD panel.
   (For HDVF-C750W, refer to Section 1-3, while for HDVF-C700W, refer to Section 1-4.)
2. Remove the PS-580 board. (Refer to Section 1-5-1.)
3. Remove the fuse mounted on the PS-580 board and replace it.
4. Install the board in the reverse order of removal steps 1 and 2.

Note

When fixing screws, apply locking compound * to them.

* : Three Bond 1401B (commercially available goods)



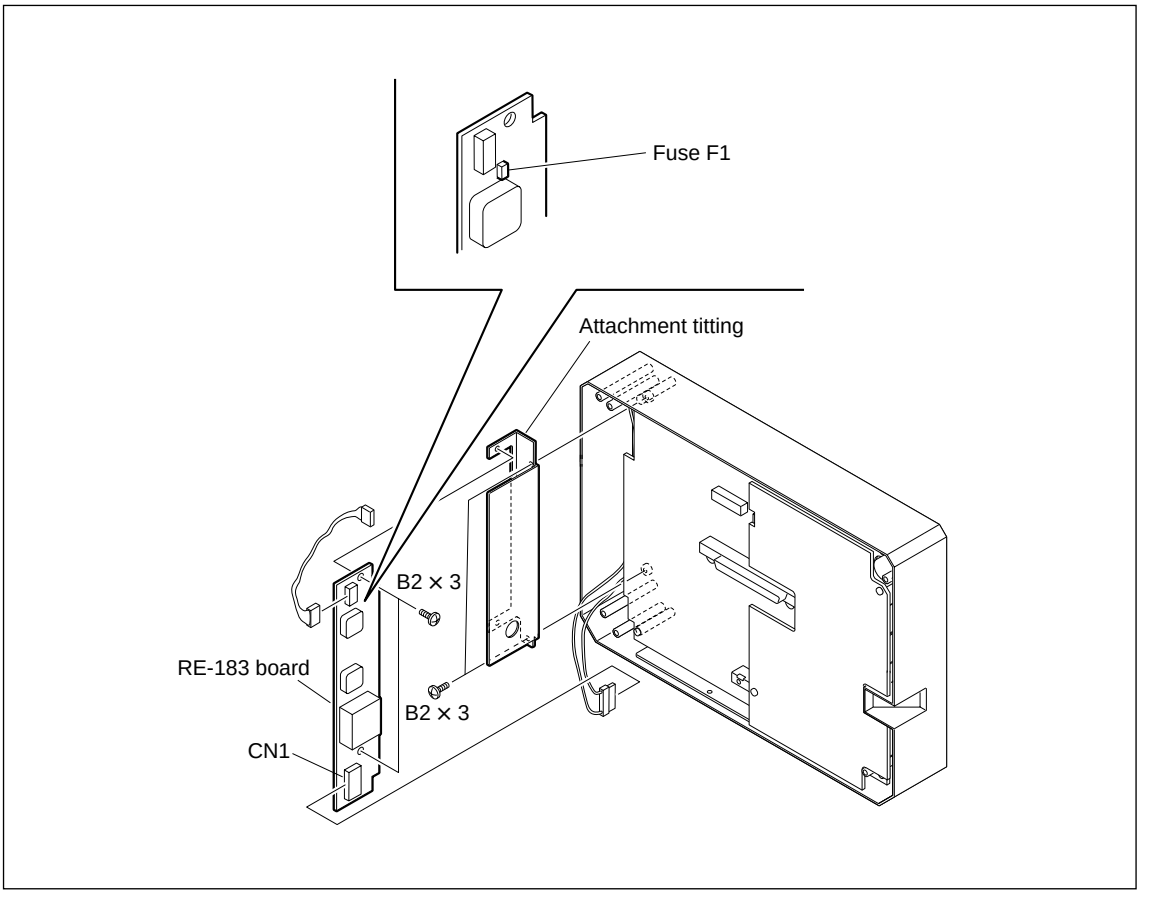
Replacing a fuse on the RE-183 board

1. Remove the LCD panel.
   (For HDVF-C750W, refer to Section 1-3, while for HDVF-C700W, refer to Section 1-4.)
2. Remove the back lid. (Refer to Section 1-5-1.)
3. Remove the connector CN1 of the RE-183 board.
4. Remove the two screws and remove the RE-183 board together with the attachment fitting.
5. Remove the two screws and part the RE-183 board from the attachment fitting.
6. Remove the fuse mounted on the RE-183 board and replace it.
7. Install the board in the reverse order of removal steps 1 to 5.

Notes

- When installing, use care to route the harness from the backlight in the same routing as one before removing. (Refer to Section 1-5-1.)
- When fixing screws, apply locking compound* to them.

*: Three Bond 1401B (commercially available goods)

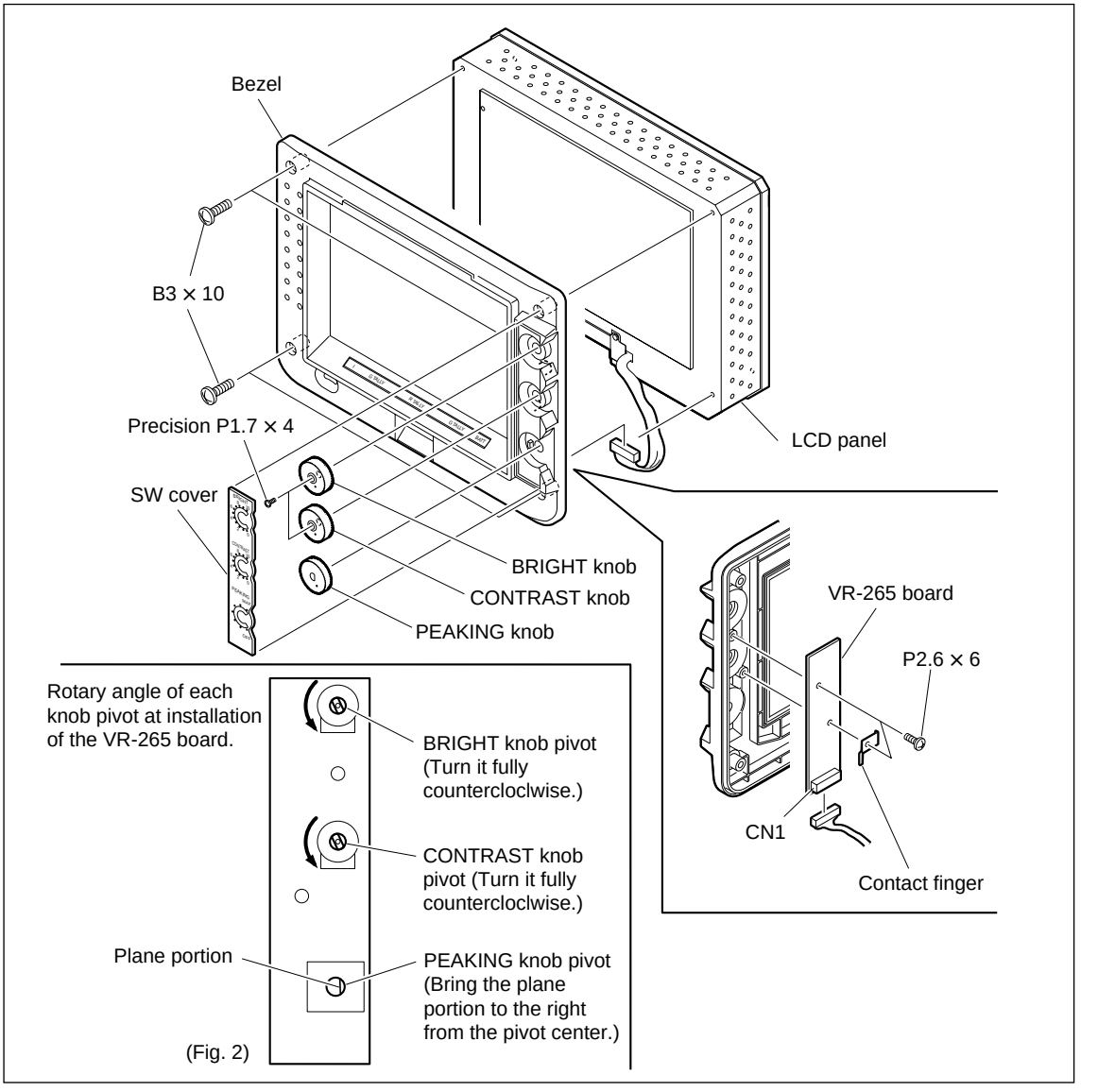


1-5-3. VR-265 Board Replacement

1. Remove the LCD panel.
   (For HDVF-C750W, refer to Section 1-3, while for HDVF-C700W, refer to Section 1-4.)
2. Remove the four screws (B3 × 10) to remove the bezel.
3. Disconnect the connector CN1 of the VR-265 board
4. Remove the SW cover and remove the two screws (Precision P1.7 × 4).
5. Take out the BRIGHT knob, CONTRAST knob and PEAKING knob.
6. Remove the two screws (P2.6 × 6) to draw out the contact finger and the VR-265 board.
7. After replacing the board, reinstall it in the reverse order of removal steps 1 to 6.

Notes

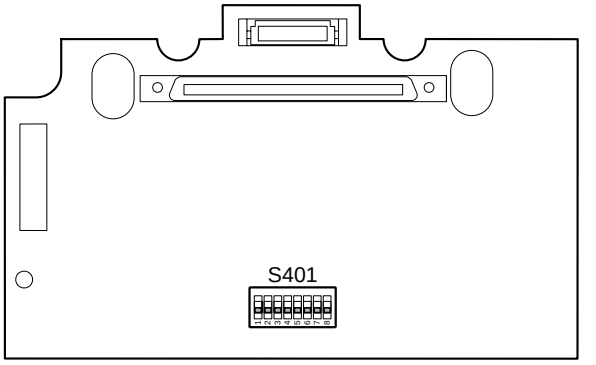
- As the SW cover is not reusable, once removing, replace with a new one when installing.
  SW cover: 3-625-394-0X
- When installing the knobs, adjust each (BRIGHT, CONTRAST, and PEAKING) positioning shown in the figure. (Refer to Fig. 2.)
  BRIGHT knob, CONTRAST knob: Turn fully counterclockwise.
  PEAKING knob: Turn the knob to face its plane portion to right.


Bezel
B3 × 10
Precision P1.7 × 4
SW cover
LCD panel
BRIGHT knob
CONTRAST knob
PEAKING knob
VR-265 board
P2.6 × 6
CN1
Contact finger
Rotary angle of each knob pivot at installation of the VR-265 board.
BRIGHT knob pivot (Turn it fully countercloclwise.)
CONTRAST knob pivot (Turn it fully countercloclwise.)
Plane portion
PEAKING knob pivot (Bring the plane portion to the right from the pivot center.)

(Fig. 2)

1-6. Function of Internal Switches

CN-1821 board



Ref. No.	Description	Factory setting
S401-1	Not used (Set always OFF.)	OFF
S401-2	Sets the switching between HDVF-C750W and HDVF-C700W. OFF: Sets for HDVF-C750W ON: Sets for HDVF-C700W	HDVF-C750W: OFF HDVF-C700W: ON
S401-3 to 8	Not used	OFF

1-7. Adjusting/Setting Items after Replacing the Boards

The items below need adjusting/setting after replacing the boards.

Board Name	Adjustment Items	Contents
CN-1821	1-6. Function of Internal Switches	Setting of the switching between HDVF-C750W and HDVF-C700W
DPR-158	2-3-1. COMMON Voltage Adjustment	Adjusting of the COMMON voltage
LE-218	No adjustment required	
PS-580	No adjustment required	
RE-183	2-3-2. Brightness Adjustment	Adjusting of the viewfinder brightness
VR-265	No adjustment required	

1-8. Notes on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts list has the present standardized repair parts.

3. Stock of Parts

Parts marked with “o” at SP (Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

4. Harness

Harnesses with no part number are not registered as spare parts.
In need of repair, get components shown in the list and repair using them.

1-9. Fixtures

Fixture	Sony Part No.	Use
CN-DPR extension harness	9-885-005-90	Brightness adjustment
DPR-PS extension harness	9-885-005-89	Service for PS-580 board
Pattern box, PTB-500	J-6029-140-B	Brightness adjustment
Three Bond 1401B (commercially available)	—	Fixing screws

Section 2
Electrical Alignment

2-1. Equipment Required

- HDVS camera system
  [HDVF-C750W adjustment]
  HDC-950 or HDW-F900
  AC-550/550CE
  [HDVF-C700W adjustment]
  HDC-900
  HDCU-900
- Digital voltmeter
- Luminance meter

Fixtures	Sony Part No.
CN-DPR extension harness	9-885-005-90
Pattern box (PTB-500)	J-6029-140-B

2-2. Preparation before adjustment

2-2-1. Precaution before adjustment

- Calibration of the measurement equipment should be completed.
- Related equipment such as a camera unit should be already adjusted.
- Initial setting (Section 2-2-2.) should be already done.

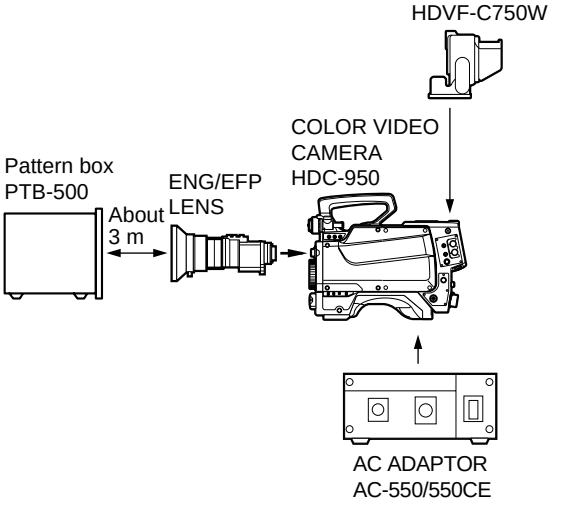
2-2-2. Initial Setting

Set each volume and switch of HDVF-C750W/C700W as follows.

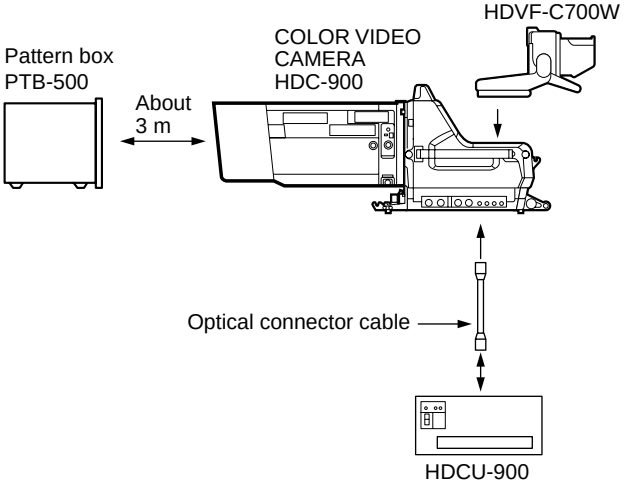
- BRIGHT knob/ front panel
  → a full turn clockwise (at the position “10”)
- CONTRAST knob/ front panel
  → a full turn clockwise (at the position “10”)
- PEAKING switch/ front panel → OFF
- UP TALLY switch/ rear panel → OFF
- BLANKING MARKER switch/rear panel → OFF

2-2-3. Connections

- Adjustment of HDVF-C750W



- Adjustment of HDVF-C700W



2-3. Adjustment

2-3-1. Common voltage adjustment

Measurement equipment: Digital voltmeter

Note

Make an adjustment only when repairing the DPR-158 board or changing the board.

Adjustment

Measuring point: COMMON/DPR-158
GND: Frame
Adjustment point: ⊘VR2/DPR-158
Specification: 3.85 ±0.03 V dc

2-3-2. Luminance adjustment

Measurement equipment: Luminance meter
Subject: All white pattern

Note

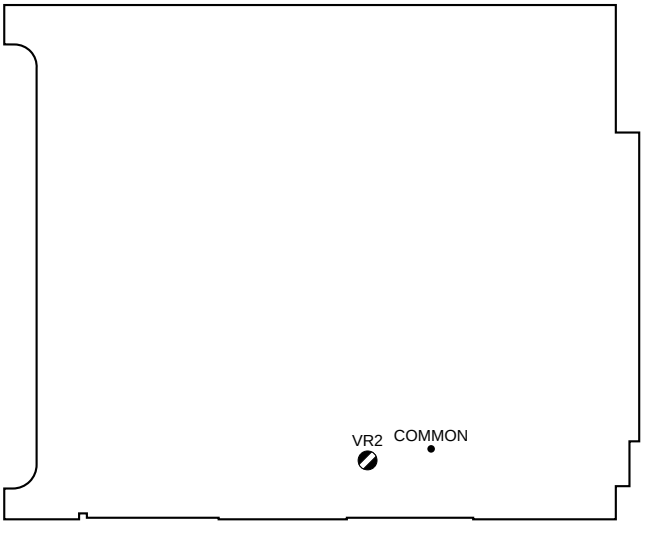
Make an adjustment only when repairing the RE-183 board or changing the board.

Preparation

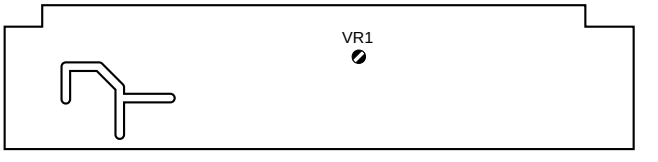
- Connect the CN-1821 board to the DPR-158 board using the CN-DPR extension harness.
- Shoot the all white pattern covering fully the under-scanned frame by zooming.

Adjustment

Adjustment point: ⊘VR1/RE-183
Specification: 300 ±10 cd/m^2
Adjustment: Turn above mentioned control to satisfy the specification. Turning clockwise lowers the luminance and turning counterclockwise heightens the luminance.



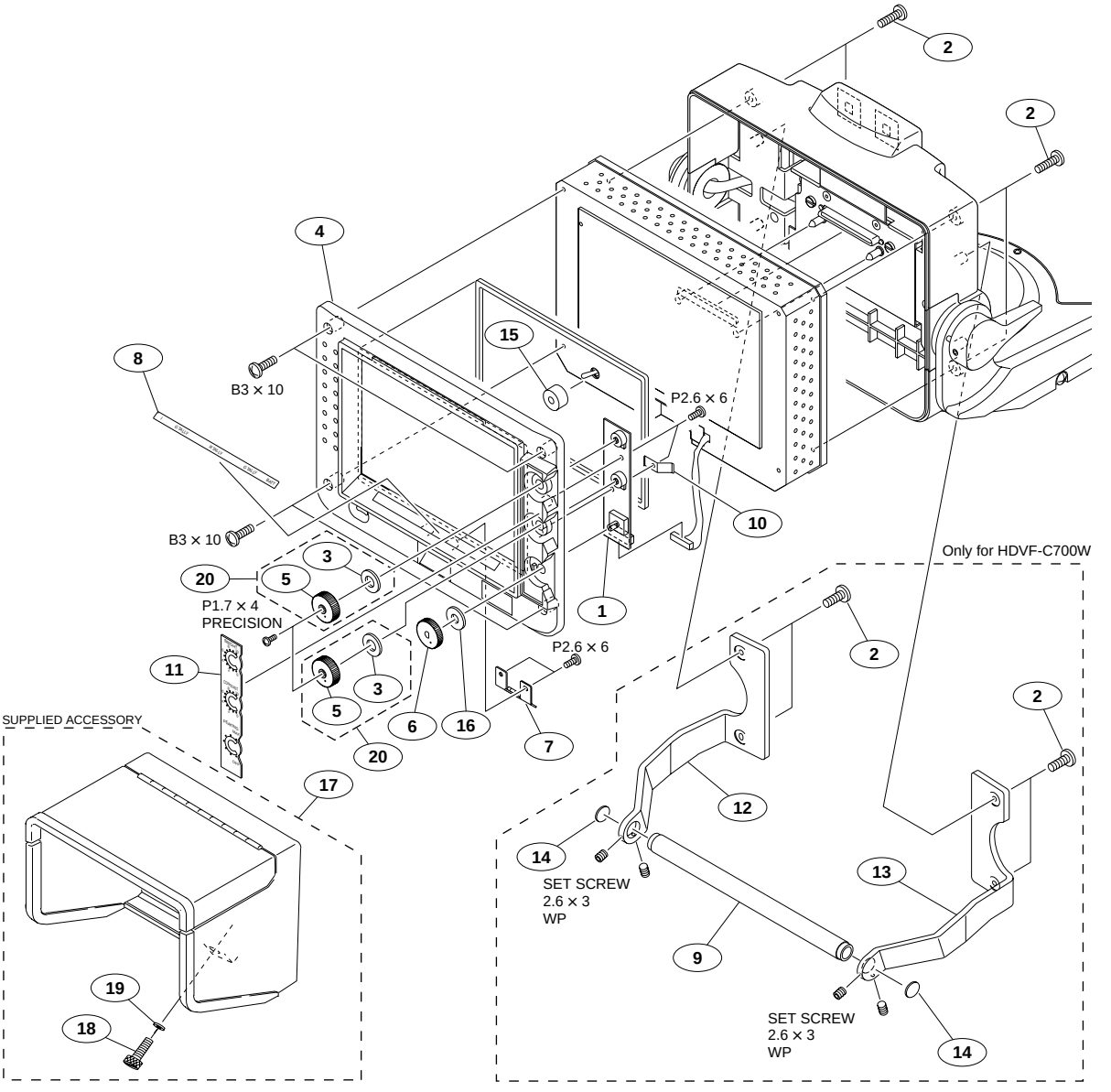
DPR-158 board (A side)



RE-183 board (B side)

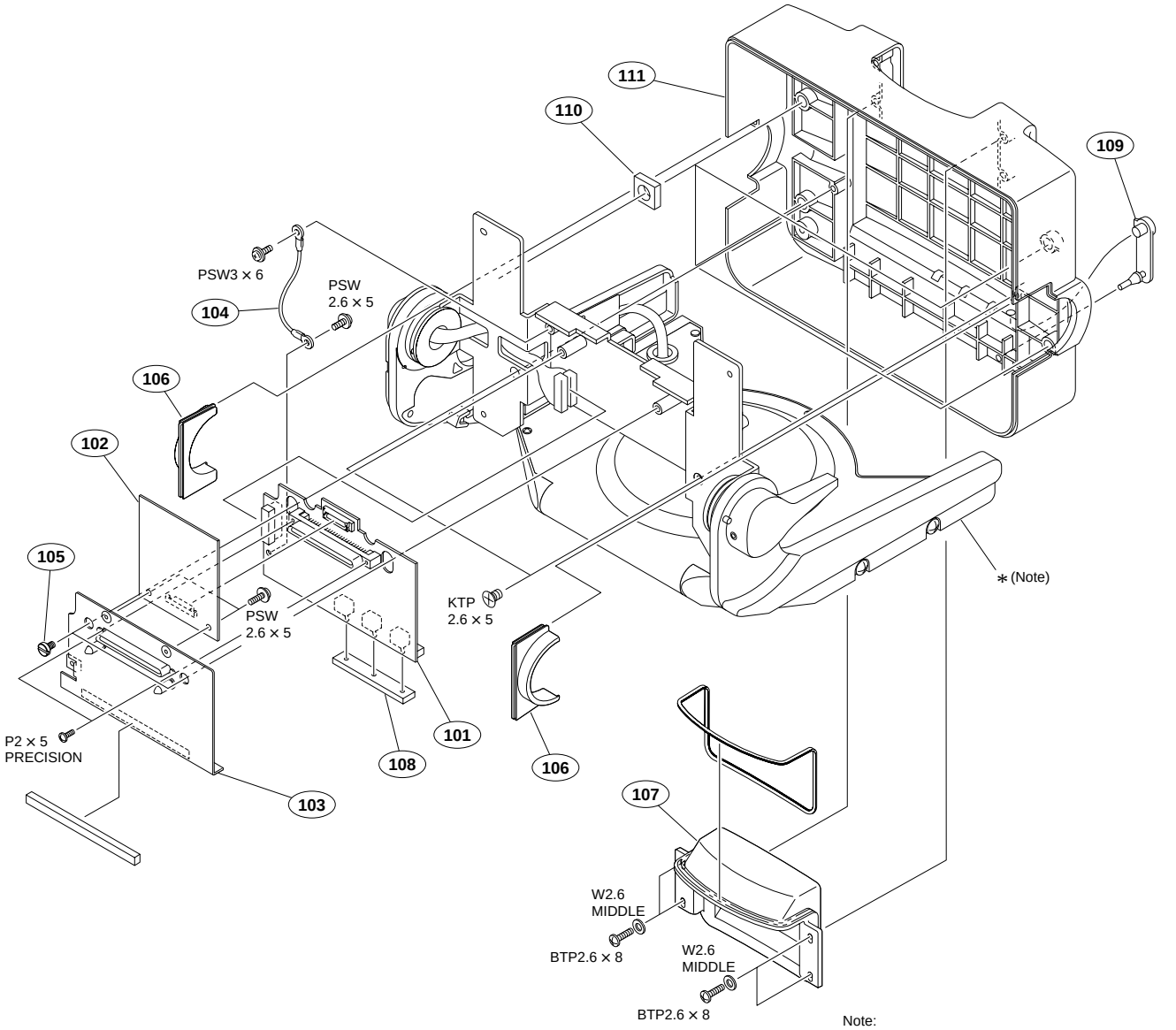
Section 3
Spare Parts

3-1. Exploded Views



No.	Part No.	SP	Description
1	A-8325-064-A	o	MOUNTED CIRCUIT BOARD, VR-265
2	3-364-990-11	s	SCREW (M3X8) (ST)
3	3-564-027-02	s	FELT, LIMITER
4	X-3605-937-1	o	ASSY, BEZEL
5	3-625-363-01	o	KNOB, BRIGHT
6	3-625-364-01	o	KNOB, PEAKING
7	3-625-366-01	o	NUT, HOOD
8	3-625-387-01	o	LABEL, INDICATOR
9	X-3605-927-1	o	PIPE ASSY, HANDLE (Only for HDVF-C700W)
10	3-625-393-01	o	FINGER, CONTACT
11	3-625-394-03	s	COVER, SW
12	3-626-812-01	o	ARM, HANDLE(L) (Only for HDVF-C700W)
13	3-626-813-01	o	ARM, HANDLE(R) (Only for HDVF-C700W)
14	3-626-821-01	o	SHEET, HANDLE (Only for HDVF-C700W)
15	3-626-823-02	o	CUSHION (PWR SW), DROP PROTECTION
16	3-626-825-01	o	SHEET, DROP PROTECTION
17	X-3166-281-4	o	HOOD ASSY, INDOOR
18	3-680-616-13	s	SCREW(M4), BINDING
19	3-701-441-21	s	WASHER, PLASTIC(4.1X0.5)
20	X-3605-936-1	o	ASSY, BRIGHT KNOB

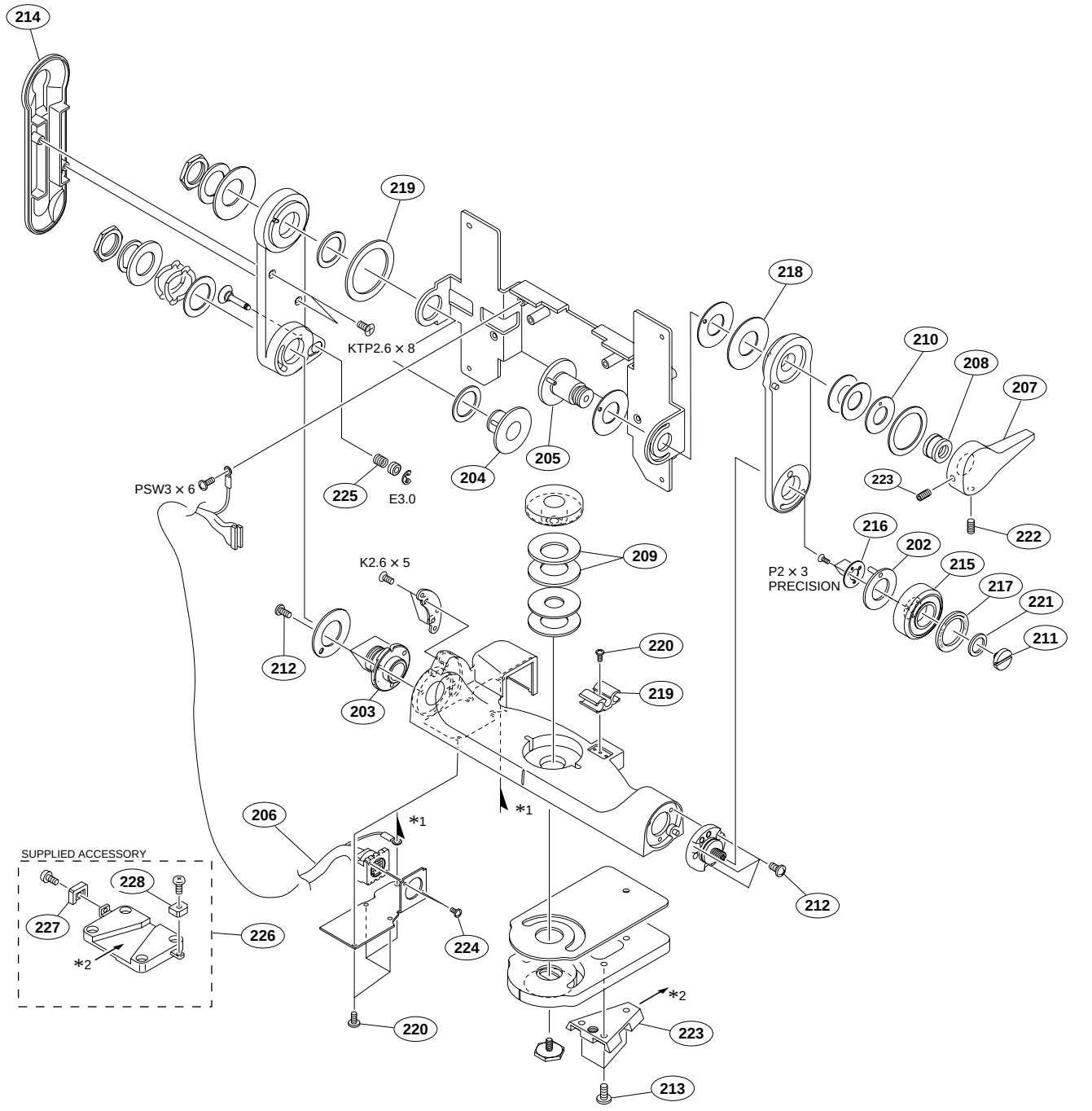
Rear Block



Note:

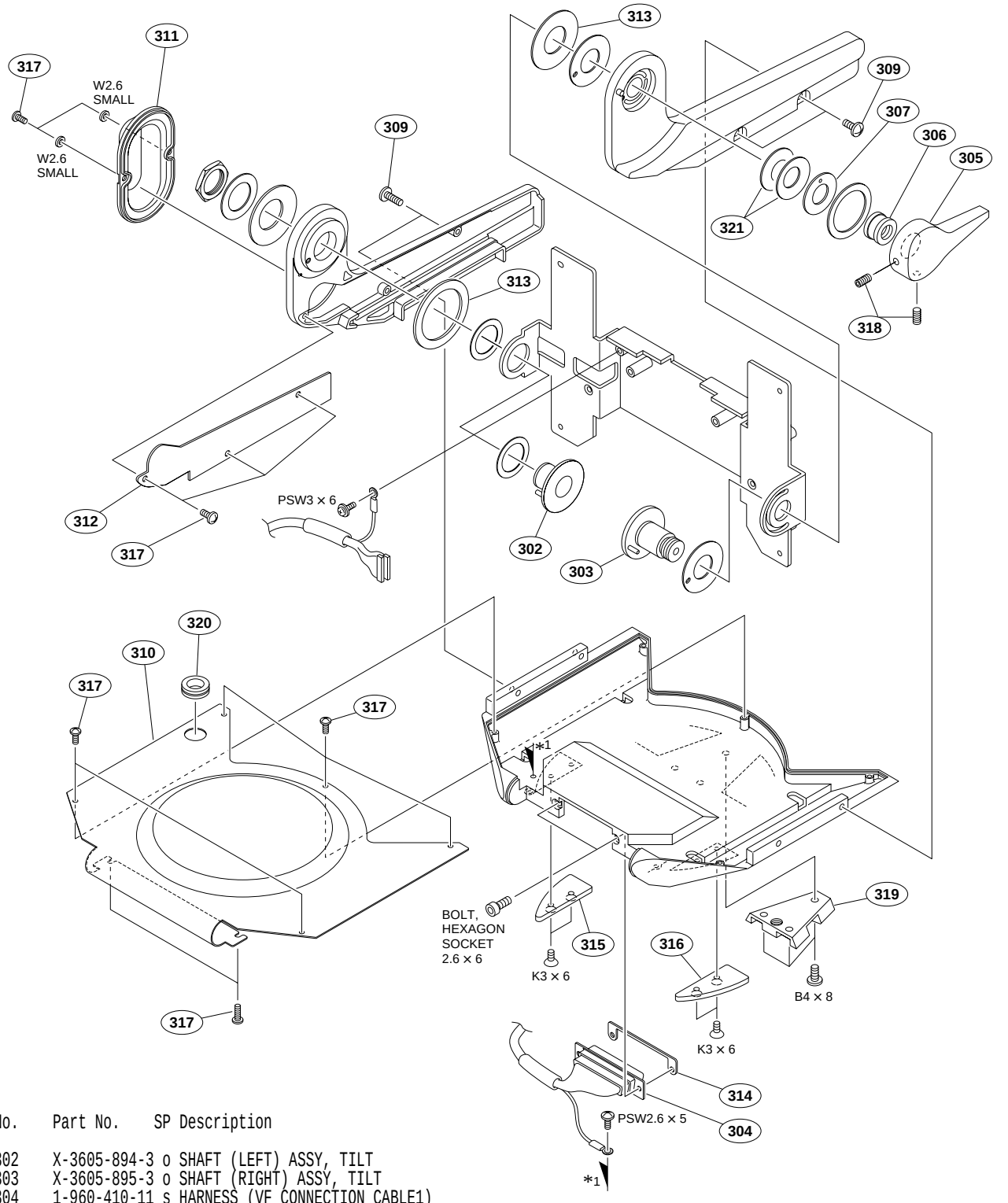
∗ This part is used only for HDVF-C700W, yet other parts except this one are common between HDVF-C700W and HDVF-C750W.

No.	Part No.	SP	Description
101	A-8325-062-A	o	MOUNTED CIRCUIT BOARD, CN-1821
102	A-8325-063-A	o	MOUNTED CIRCUIT BOARD, LE-218
103	X-3605-896-1	o	PLATE ASSY, CONNECTOR (68P)
104	1-960-408-11	s	HARNESS (GROUND WIRE)
105	3-625-351-01	s	SCREW, FLOATING
106	3-625-360-02	o	COVER, SHAFT
107	X-3605-938-1	s	TALLY COVER ASSY
108	3-626-817-01	s	CUSHION, DROP PROTECTION
109	3-626-822-02	o	PLUG, DROP PROTECTION
110	3-626-876-01	s	CUSHION (HANDLE), DROP PROTECTION
111	3-627-875-02	o	COVER, REAR



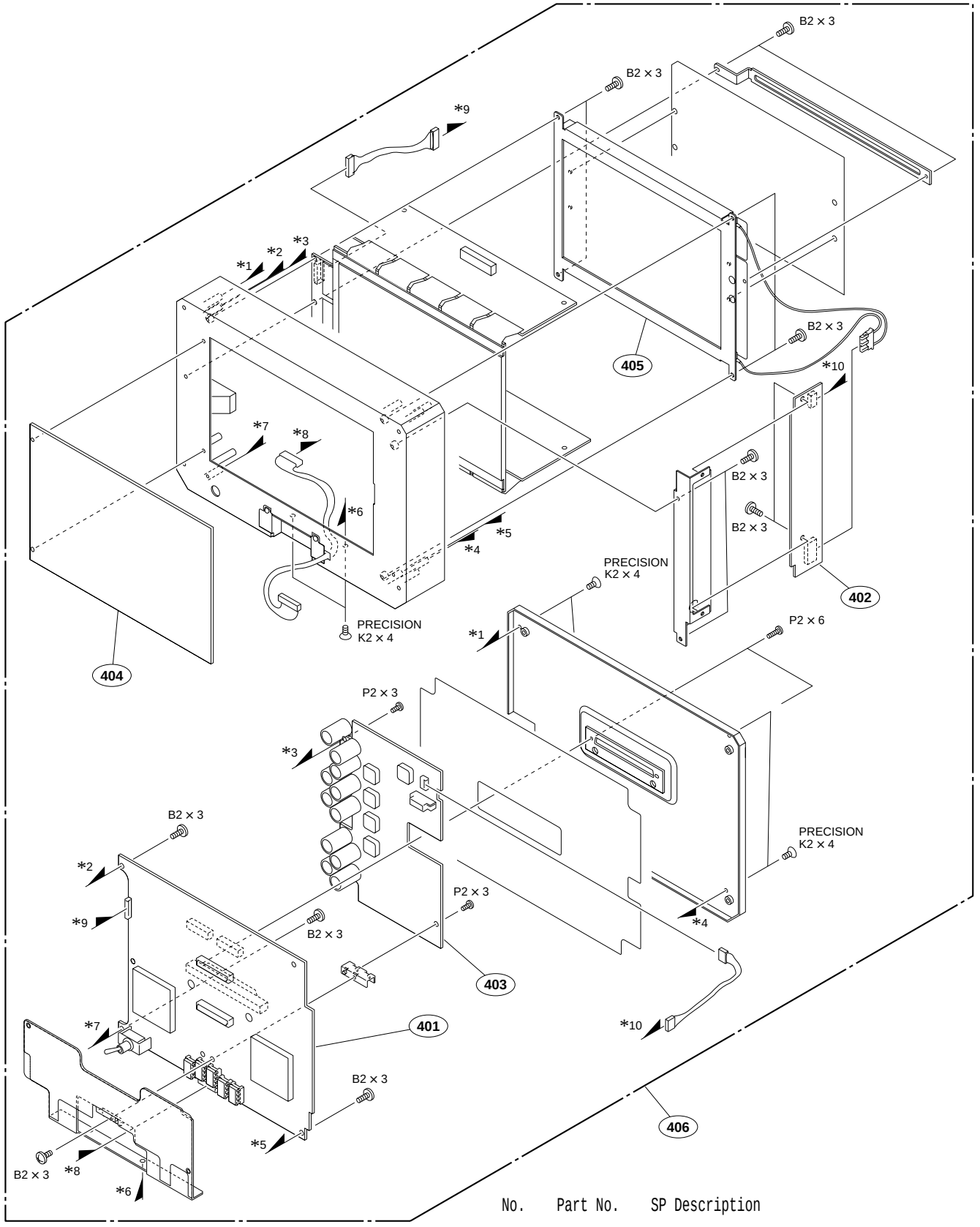
No.	Part No.	SP	Description
202	X-3605-892-1	o	PLATE ASSY, PIN
203	X-3605-893-1	o	SHAFT (LEFT) ASSY, ARM
204	X-3605-894-3	o	SHAFT (LEFT) ASSY, TILT
205	X-3605-895-3	o	SHAFT (RIGHT) ASSY, TILT
206	1-960-409-11	s	HARNESS (VF CONNECTION CABLE2)
207	3-167-481-02	o	LEVER, LOCK, TILT
208	3-167-482-11	o	SCREW, LOCK, TILT
209	3-167-487-01	o	SPRING, PLATE
210	3-169-580-01	s	WASHER, THRUST (ST)
211	3-173-371-02	s	SCREW, PUNCHING STOPPER (ST)
212	3-364-941-11	s	SCREW (+B 2.6X5), NYLOK (STEEL)
213	3-604-479-01	s	ALOCK +B4X8
214	3-625-369-03	o	COVER(L), ARM
215	3-625-379-01	s	KNOB, ARM LOCKING
216	3-625-381-01	o	RETAINER, PIN PLATE
217	3-625-384-01	o	LABEL, LOCKING KNOB
218	3-626-824-01	o	SPACER, DROP PROTECTION
219	3-679-659-03	o	CLAMP, CABLE (PP)
220	3-694-181-01	s	AROCK PRECISION +P2.6 TYPE 1
221	3-701-447-21	s	WASHER PLASTIC (10.2X0.5)
222	3-701-512-01	s	SET-SCREW, HEX M4X8 (WP) ST
223	3-716-391-01	o	WEDGE, MOUNTING
224	3-719-381-11	s	SCREW +P M2X5 (ZNBK) (LOCK)
225	3-951-828-01	s	SPRING, COMPRESSION
226	A-7612-405-A	o	SHOE ASSY, V EDGE
227	3-167-513-01	o	KNOB, RELEASE LEVER
228	3-167-514-01	o	KNOB, STOPPER

Tilt Table Block for HDVF-C700W



No.	Part No.	SP	Description
302	X-3605-894-3	o	SHAFT (LEFT) ASSY, TILT
303	X-3605-895-3	o	SHAFT (RIGHT) ASSY, TILT
304	1-960-410-11	s	HARNESS (VF CONNECTION CABLE1)
305	3-167-481-02	o	LEVER, LOCK, TILT
306	3-167-482-11	o	SCREW, LOCK, TILT
307	3-169-580-01	s	WASHER, THRUST (ST)
308	3-172-846-02	o	PAN (BASE)
309	3-604-479-01	s	ALOCK +B4X8
310	3-625-389-02	o	LID, PAN BASE
311	3-625-392-02	o	COVER, ARM
312	3-626-814-01	o	PLATE, ARM(L)
313	3-626-824-01	o	SPACER, DROP PROTECTION
314	3-675-929-00	o	PLATE, NUT (50P)
315	3-692-333-01	o	PLATE (LEFT)

No.	Part No.	SP	Description
316	3-692-334-01	o	PLATE (RIGHT)
317	3-694-181-01	s	AROCK PRECISION +P2.6 TYPE 1
318	3-701-512-01	o	SET SCREW, DOUBLE POINT, (M4X8)
319	3-716-391-01	o	WEDGE, MOUNTING
320	3-824-174-00	s	BUSHING, RUBBER
321	3-167-487-01	s	SPRING, PLATE



No.	Part No.	SP	Description
401	1-761-330-11	o	MOUNTED CIRCUIT BOARD, DPR-158
402	1-761-331-11	o	MOUNTED CIRCUIT BOARD, RE-183
403	1-761-332-11	o	MOUNTED CIRCUIT BOARD, PS-580
404	9-885-005-87	s	PROTECTION PLATE, FRONT
405	9-885-005-88	s	BACKLIGHT
406	1-803-983-12	s	PANEL, LCD

Hardware List

No.	Part No.	SP	Description
	7-621-559-32	s	SCREW +K 2.6X5 BRASS
	7-621-759-35	s	SCREW +PSW 2.6X5
	7-621-772-08	s	SCREW +B 2X3
	7-621-772-38	s	SCREW +B 2X6
	7-623-710-97	s	WASHER 18, WABE TYPE
	7-624-106-04	s	RING,RETAINING,E (3MM)
	7-627-452-27	s	SCREW,PRECISION +K2X4
	7-627-552-48	s	SCREW,PRECISION +P1.7X4
	7-627-553-37	s	SCREW,PRECISION +P2X3
	7-627-553-67	s	SCREW,PRECISION +P2X5
	7-682-247-04	s	SCREW +K 3X6
	7-682-549-09	s	SCREW +B 3X10
	7-682-947-01	s	SCREW +PSW 3X6
	7-683-412-05	s	BOLT,HEXAGON SOCKET 2.6X6 (ST)
	7-685-133-19	s	SCREW +PTP2.6X6
	7-685-232-19	s	SCREW +KTP 2.6X5
	7-685-234-19	s	SCREW +KTP 2.6X8
	7-685-534-14	s	SCREW +BTP2.6X8
	7-688-002-02	s	WASHER (2.6)
	7-688-002-11	s	WASHER 2.6(MID)

3-2. Electrical Parts List

CN-1821 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8325-062-A	o	MOUNTED CIRCUIT BOARD, CN-1821
C13	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C14	1-104-823-11	s	CAPACITOR,TANTALUM 47MF/16V
C15	1-104-823-11	s	CAPACITOR,TANTALUM 47MF/16V
C16	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C17	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C100	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C101	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C102	1-162-905-11	s	CAPACITOR,CERAMIC 1PF/50V (CK)
C103	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C200	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C201	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C202	1-162-905-11	s	CAPACITOR,CERAMIC 1PF/50V (CK)
C203	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C300	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C301	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C302	1-162-905-11	s	CAPACITOR,CERAMIC 1PF/50V (CK)
C303	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C401	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C402	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C403	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C404	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C405	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C407	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C409	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C410	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
CN1	1-695-210-21	o	PIN, CONNECTOR (PC BOARD) 15P
CN2	1-764-099-11	s	PIN, CONNECTOR (PC BOARD) 14P
CN3	1-784-241-11	o	CONNECTOR, BOARD TO BOARD 30P
D400	8-719-059-59	s	DIODE MA3J74200LSO
D402	8-719-059-59	s	DIODE MA3J74200LSO
D404	8-719-059-59	s	DIODE MA3J74200LSO
D405	8-719-059-59	s	DIODE MA3J74200LSO
D407	8-719-059-59	s	DIODE MA3J74200LSO
D408	8-719-059-59	s	DIODE MA3J74200LSO
D413	8-719-059-59	s	DIODE MA3J74200LSO
D414	8-719-059-59	s	DIODE MA3J74200LSO
D415	8-719-059-59	s	DIODE MA3J74200LSO
IC12	8-759-185-42	s	IC LM4040AIM3-2.5
IC13	8-759-669-45	s	IC TL062CPWR-12
IC100	8-759-054-61	s	IC CLC505AJE
IC200	8-759-054-61	s	IC CLC505AJE
IC300	8-759-054-61	s	IC CLC505AJE
IC401	8-759-988-13	s	IC LM393PS
IC402	8-759-988-13	s	IC LM393PS
IC403	8-759-523-02	s	IC TC74HC4053AFT (EL)
IC404	8-759-082-61	s	IC TC4W53FU
IC405	8-759-058-62	s	IC TC7S08FU-TE85R
IC406	8-759-058-58	s	IC TC7S04FU-TE85R
IC407	8-759-523-02	s	IC TC74HC4053AFT (EL)
IC408	8-759-082-57	s	IC TC7W04FU
IC410	8-759-175-04	s	IC PCF8574T-T
IC411	8-759-523-02	s	IC TC74HC4053AFT (EL)
IC412	8-759-175-04	s	IC PCF8574T-T
IC413	8-759-523-02	s	IC TC74HC4053AFT (EL)
IC414	8-759-487-04	s	IC S-24C02AFJA-TB-01
IC415	8-759-058-64	s	IC TC7S32FU-TE85R
IC416	8-759-082-57	s	IC TC7W04FU

(CN-1821 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC417	8-759-523-94	s	IC TC74VHC32FT (EL)
IC418	8-759-523-81	s	IC TC74VHC08FT (EL)
IC419	8-759-058-58	s	IC TC7S04FU-TE85R
IC420	8-759-082-61	s	IC TC4W53FU
Q12	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q13	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q14	8-729-820-86	s	TRANSISTOR 2SB1121-ST
Q15	8-729-120-21	s	TRANSISTOR 2SD1614-T1XL
R56	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R57	1-218-699-11	s	RESISTOR,CHIP 2.0K 1/16W (1608)
R58	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R59	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R60	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R61	1-218-720-11	s	RESISTOR,CHIP 15K 1/16W (1608)
R62	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W (1608)
R63	1-218-675-11	s	RESISTOR,CHIP 200 1/16W (1608)
R64	1-218-675-11	s	RESISTOR,CHIP 200 1/16W (1608)
R65	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W (1608)
R100	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W (1608)
R101	1-218-690-11	s	RESISTOR,CHIP 820 1/16W (1608)
R102	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R103	1-218-688-11	s	RESISTOR,CHIP 680 1/16W (1608)
R104	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W (1608)
R105	1-218-745-11	s	RESISTOR,CHIP 160K 1/16W (1608)
R106	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R107	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R109	1-218-696-11	s	RESISTOR,CHIP 1.5K 1/16W (1608)
R200	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W (1608)
R201	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W (1608)
R202	1-218-651-11	s	RESISTOR,CHIP 20 1/16W (1608)
R203	1-218-688-11	s	RESISTOR,CHIP 680 1/16W (1608)
R204	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W (1608)
R205	1-218-745-11	s	RESISTOR,CHIP 160K 1/16W (1608)
R206	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R207	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R209	1-218-696-11	s	RESISTOR,CHIP 1.5K 1/16W (1608)
R300	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W (1608)
R301	1-218-690-11	s	RESISTOR,CHIP 820 1/16W (1608)
R302	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R303	1-218-688-11	s	RESISTOR,CHIP 680 1/16W (1608)
R304	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W (1608)
R305	1-218-745-11	s	RESISTOR,CHIP 160K 1/16W (1608)
R306	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R307	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R309	1-218-696-11	s	RESISTOR,CHIP 1.5K 1/16W (1608)
R400	1-218-730-11	s	RESISTOR METAL FILM CHIP 39K
R401	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R402	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R403	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R404	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R405	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R406	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R407	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R408	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R409	1-218-730-11	s	RESISTOR METAL FILM CHIP 39K
R410	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R411	1-218-730-11	s	RESISTOR METAL FILM CHIP 39K
R412	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)

(CN-1821 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R413	1-218-730-11	s	RESISTOR METAL FILM CHIP 39K
R414	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R415	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R416	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R417	1-218-732-11	s	RESISTOR,CHIP 47K 1/16W (1608)
R418	1-218-732-11	s	RESISTOR,CHIP 47K 1/16W (1608)
R419	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R420	1-218-732-11	s	RESISTOR,CHIP 47K 1/16W (1608)
R421	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W (1608)
R423	1-218-733-11	s	RESISTOR,CHIP 51K 1/16W (1608)
R424	1-218-733-11	s	RESISTOR,CHIP 51K 1/16W (1608)
R425	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R426	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R428	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R429	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R430	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R431	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W (1608)
R434	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R435	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R438	1-218-733-11	s	RESISTOR,CHIP 51K 1/16W (1608)
R439	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R440	1-218-733-11	s	RESISTOR,CHIP 51K 1/16W (1608)
R441	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R442	1-218-733-11	s	RESISTOR,CHIP 51K 1/16W (1608)
R443	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R444	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R445	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R446	1-218-695-11	s	RESISTOR,CHIP 1.3K 1/16W (1608)
R449	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R450	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R451	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R452	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R454	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R455	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R456	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R457	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R458	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R459	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R460	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R461	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R462	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R463	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R464	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R465	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R469	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R470	1-218-676-11	s	RESISTOR,CHIP 220 1/16W (1608)
R472	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R473	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R500	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R501	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R502	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R503	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R504	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W (1608)
R505	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W (1608)
R506	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W (1608)
R507	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W (1608)
RB400	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB401	1-236-907-11	s	RESISTOR BLOCK 100K (1608)

(CN-1821 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB402	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RV1	1-241-264-11	s	RESISTOR ADJ 10K (CERMET)
S400	1-692-530-11	s	SWITCH,TOGGLE
S401	1-692-271-31	s	SWITCH, SLIDE
S403	1-692-530-11	s	SWITCH,TOGGLE
S404	1-692-530-11	s	SWITCH,TOGGLE

DPR-158 BOARD
---

*1: Board No. suffix 11
*2: Board No. suffix 12-

Ref. No or Q'ty	Part No.	SP	Description
1pc	1-761-330-11	o	MOUNTED CIRCUIT BOARD, DPR-158
C1	1-162-915-11	s	CAPACITOR, CERAMIC 10PF 50V
C2	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C3	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C4	1-162-915-11	s	CAPACITOR, CERAMIC 10PF 50V
C5	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C6	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C7	1-162-915-11	s	CAPACITOR, CERAMIC 10PF 50V
C8	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C9	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C10	*2 9-885-010-84	s	CAPACITOR, CERAMIC 22MF
	*1 9-885-004-52	s	CAPACITOR, CERAMIC 10MF
C11	*2 9-885-010-84	s	CAPACITOR, CERAMIC 22MF
	*1 9-885-004-52	s	CAPACITOR, CERAMIC 10MF
C12	*2 9-885-010-84	s	CAPACITOR, CERAMIC 22MF
	*1 9-885-004-52	s	CAPACITOR, CERAMIC 10MF
C13	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C14	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C15	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C16	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C17	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C18	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C19	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C20	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C21	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C22	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C23	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C24	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C25	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C26	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C27	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C28	1-104-913-11	s	CAPACITOR, TANTALUM 10MF 16V
C29	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C30	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C31	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C32	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C33	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C34	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C35	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C36	1-162-918-11	s	CAPACITOR, CERAMIC 18PF 5% 50V
C37	1-162-911-11	s	CAPACITOR, CERAMIC 6PF 50V
C38	1-162-911-11	s	CAPACITOR, CERAMIC 6PF 50V
C39	1-162-911-11	s	CAPACITOR, CERAMIC 6PF 50V
C40	1-162-918-11	s	CAPACITOR, CERAMIC 18PF 5% 50V
C41	1-162-911-11	s	CAPACITOR, CERAMIC 6PF 50V
C42	1-162-911-11	s	CAPACITOR, CERAMIC 6PF 50V
C43	1-162-918-11	s	CAPACITOR, CERAMIC 18PF 5% 50V
C44	1-162-911-11	s	CAPACITOR, CERAMIC 6PF 50V
C45	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C46	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C47	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C48	1-104-914-11	s	CAPACITOR, TANTALUM 22MF 16V
C49	1-104-914-11	s	CAPACITOR, TANTALUM 22MF 16V
C50	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C51	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V

(DPR-158 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
C52	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C53	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C54	1-113-677-11	s	CAPACITOR, CERAMIC 1MF
C55	1-113-984-11	s	CAPACITOR, TANTALUM 1.5MF 35V
C56	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C57	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C58	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C59	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C60	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C61	1-113-677-11	s	CAPACITOR, CERAMIC 1MF
C62	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C63	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
C64	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C65	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C66	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C67	1-164-315-11	s	CAPACITOR, CERAMIC 470PF 5% 50V
C68	1-164-315-11	s	CAPACITOR, CERAMIC 470PF 5% 50V
C69	1-164-315-11	s	CAPACITOR, CERAMIC 470PF 5% 50V
C70	1-162-927-11	s	CAPACITOR, CERAMIC 100PF 5% 50V
C71	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C72	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C73	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C74	9-885-004-58	s	CAPACITOR (30PF), VARIABLE
C75	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C76	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C77	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C78	*2 9-885-010-84	s	CAPACITOR, CERAMIC 22MF
	*1 9-885-004-52	s	CAPACITOR, CERAMIC 10MF
C79	1-135-072-21	s	CAPACITOR, TANTALUM 0.22MF 35V
C80	1-135-176-21	s	CAPACITOR, TANTALUM 0.68MF 35V
C81	*2 9-885-010-84	s	CAPACITOR, CERAMIC 22MF
	*1 9-885-004-52	s	CAPACITOR, CERAMIC 10MF
C82	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C83	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C84	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C85	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C86	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C87	1-113-984-11	s	CAPACITOR, TANTALUM 1.5MF 35V
C88	1-107-689-21	s	CAPACITOR, TANTALUM 1MF 35V
C89	1-162-927-11	s	CAPACITOR, CERAMIC 100PF 5% 50V
C90	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C91	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C92	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C93	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C94	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C95	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C96	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C97	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C98	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C99	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C100	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C101	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C102	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C103	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C104	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C105	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C106	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C107	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C108	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V

(DPR-158 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
C109	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C110	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C111	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C112	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C113	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C114	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C115	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C116	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C117	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C118	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C119	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C120	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C121	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C122	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C123	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C124	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C125	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C126	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C127	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C128	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C129	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C130	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C131	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C132	1-162-919-11	s	CAPACITOR, CERAMIC 22PF 5% 50V
C133	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C134	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C135	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C136	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C137	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C138	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C139	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C140	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C141	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C142	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C143	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C144	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C145	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C146	1-104-913-11	s	CAPACITOR, TANTALUM 10MF 16V
C147 *2	9-885-010-84	s	CAPACITOR, CERAMIC 22MF
*1	9-885-004-52	s	CAPACITOR, CERAMIC 10MF
C148	1-104-913-11	s	CAPACITOR, TANTALUM 10MF 16V
C149	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C150	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C151	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C152	1-104-913-11	s	CAPACITOR, TANTALUM 10MF 16V
C153 *2	9-885-010-84	s	CAPACITOR, CERAMIC 22MF
*1	9-885-004-52	s	CAPACITOR, CERAMIC 10MF
C154	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C155	9-885-005-91	s	CAPACITOR, TANTALUM 47MF 16V
C156	1-162-919-11	s	CAPACITOR, CERAMIC 22PF 5% 50V
C157	1-162-919-11	s	CAPACITOR, CERAMIC 22PF 5% 50V
C158 *2	1-104-913-11	s	CAPACITOR, TANTALUM 10MF 16V
*1	9-885-004-54	s	CAPACITOR, TANTALUM 4.7MF 16V
C159 *2	1-104-913-11	s	CAPACITOR, TANTALUM 10MF 16V
*1	9-885-004-54	s	CAPACITOR, TANTALUM 4.7MF 16V
C160 *2	1-104-913-11	s	CAPACITOR, TANTALUM 10MF 16V
*1	9-885-004-54	s	CAPACITOR, TANTALUM 4.7MF 16V
C161	1-113-677-11	s	CAPACITOR, CERAMIC 1MF
C162	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V

(DPR-158 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
C163	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C164	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C165	1-113-677-11	s	CAPACITOR, CERAMIC 1MF
C166 *2	9-885-010-84	s	CAPACITOR, CERAMIC 22MF
*1	9-885-004-52	s	CAPACITOR, CERAMIC 10MF
C167 *2	9-885-010-84	s	CAPACITOR, CERAMIC 22MF
*1	9-885-004-52	s	CAPACITOR, CERAMIC 10MF
C168	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C169	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C170	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C171	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C172	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C173 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
*1	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C174 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
*1	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C175 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C176 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C177 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C178 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C179 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C180 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C181 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C182 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C183 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C184 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C185 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C186 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C187 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C188 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C189 *2	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C190 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C191 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C192 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C193 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C194 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C195 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C196 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C197 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C198 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C199 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C200 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C201 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C202 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C203 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C204 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C205 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C206 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C207 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C208 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C209 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C210 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C211 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C212 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C213 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C214 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C215 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C216 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C217 *2	1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V

(DPR-158 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
C218	*2 1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C219	*2 1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C220	*2 1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C221	*2 1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C224	*2 1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C225	*2 1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C230	*2 1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C233	*2 1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C238	*2 1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
C239	*2 1-162-971-11	s	CAPACITOR, CERAMIC 0.001MF 50V
CC1	9-885-004-68	s	CHIP, CHECKER
CC2	9-885-004-68	s	CHIP, CHECKER
CC3	9-885-004-68	s	CHIP, CHECKER
CN1	1-793-093-11	o	CONNECTOR, BOARD TO BOARD 60P
CN2	1-793-093-11	o	CONNECTOR, BOARD TO BOARD 60P
CN3	1-695-889-11	s	PIN, CONNECTOR (PC BOARD) 10P
CN4	1-695-890-11	s	PIN, CONNECTOR (PC BOARD) 12P
D1	*2 8-719-988-61	s	DIODE 1SS355TE-17
D2	*2 8-719-988-61	s	DIODE 1SS355TE-17
D3	*2 8-719-988-61	s	DIODE 1SS355TE-17
D4	*2 8-719-988-61	s	DIODE 1SS355TE-17
D5	*2 8-719-988-61	s	DIODE 1SS355TE-17
D6	*2 8-719-988-61	s	DIODE 1SS355TE-17
D7	*2 8-719-988-61	s	DIODE 1SS355TE-17
D8	*2 8-719-988-61	s	DIODE 1SS355TE-17
D9	*2 8-719-988-61	s	DIODE 1SS355TE-17
D10	*2 8-719-988-61	s	DIODE 1SS355TE-17
D11	*2 8-719-988-61	s	DIODE 1SS355TE-17
D12	*2 8-719-988-61	s	DIODE 1SS355TE-17
D13	*2 8-719-988-61	s	DIODE 1SS355TE-17
D14	*2 8-719-988-61	s	DIODE 1SS355TE-17
D15	*2 8-719-988-61	s	DIODE 1SS355TE-17
D16	*2 8-719-988-61	s	DIODE 1SS355TE-17
D17	*2 8-719-988-61	s	DIODE 1SS355TE-17
D18	*2 8-719-988-61	s	DIODE 1SS355TE-17
D19	*2 8-719-988-61	s	DIODE 1SS355TE-17
D20	*2 8-719-988-61	s	DIODE 1SS355TE-17
D21	*2 8-719-988-61	s	DIODE 1SS355TE-17
D22	*2 8-719-988-61	s	DIODE 1SS355TE-17
D23	*2 8-719-988-61	s	DIODE 1SS355TE-17
D24	*2 8-719-988-61	s	DIODE 1SS355TE-17
D25	*2 8-719-988-61	s	DIODE 1SS355TE-17
D26	*2 8-719-988-61	s	DIODE 1SS355TE-17
D27	*2 8-719-988-61	s	DIODE 1SS355TE-17
D28	*2 8-719-988-61	s	DIODE 1SS355TE-17
D29	*2 8-719-988-61	s	DIODE 1SS355TE-17
D30	*2 8-719-988-61	s	DIODE 1SS355TE-17
D31	*2 8-719-988-61	s	DIODE 1SS355TE-17
D32	*2 8-719-988-61	s	DIODE 1SS355TE-17
D33	*2 8-719-988-61	s	DIODE 1SS355TE-17
D34	*2 8-719-988-61	s	DIODE 1SS355TE-17
D35	*2 8-719-988-61	s	DIODE 1SS355TE-17
D36	*2 8-719-988-61	s	DIODE 1SS355TE-17
D37	*2 8-719-988-61	s	DIODE 1SS355TE-17
D38	*2 8-719-988-61	s	DIODE 1SS355TE-17
D39	*2 8-719-988-61	s	DIODE 1SS355TE-17
D40	*2 8-719-988-61	s	DIODE 1SS355TE-17
D41	*2 8-719-988-61	s	DIODE 1SS355TE-17

(DPR-158 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
D42	*2 8-719-988-61	s	DIODE 1SS355TE-17
F1	*2 9-855-010-86	s	BEAD, FERRITE
F4	*2 9-855-010-86	s	BEAD, FERRITE
F5	*2 9-855-010-86	s	BEAD, FERRITE
F6	*2 9-855-010-86	s	BEAD, FERRITE
F7	*2 9-855-010-86	s	BEAD, FERRITE
F8	*2 9-855-010-86	s	BEAD, FERRITE
F9	*2 9-855-010-86	s	BEAD, FERRITE
F11	*2 9-855-010-86	s	BEAD, FERRITE
F12	*2 9-855-010-86	s	BEAD, FERRITE
F13	*2 9-855-010-86	s	BEAD, FERRITE
F15	*2 9-855-010-86	s	BEAD, FERRITE
F17	*2 9-855-010-86	s	BEAD, FERRITE
F18	*2 9-855-010-86	s	BEAD, FERRITE
F19	*2 9-855-010-86	s	BEAD, FERRITE
F21	*2 9-855-010-86	s	BEAD, FERRITE
F22	*2 9-855-010-86	s	BEAD, FERRITE
F25	*2 9-855-010-86	s	BEAD, FERRITE
F26	*2 9-855-010-86	s	BEAD, FERRITE
F27	*2 9-855-010-86	s	BEAD, FERRITE
F28	*2 9-855-010-86	s	BEAD, FERRITE
F29	*2 9-855-010-86	s	BEAD, FERRITE
F30	*2 9-855-010-86	s	BEAD, FERRITE
F31	*2 9-855-010-86	s	BEAD, FERRITE
F32	*2 9-855-010-86	s	BEAD, FERRITE
F34	*2 9-855-010-86	s	BEAD, FERRITE
F35	*2 9-855-010-86	s	BEAD, FERRITE
F36	*2 9-855-010-86	s	BEAD, FERRITE
J2	9-885-004-61	s	B TO B CN30P
J3	9-885-004-61	s	B TO B CN30P
L1	1-414-402-11	s	INDUCTOR, 47MH
L2	1-414-402-11	s	INDUCTOR, 47MH
L3	1-414-402-11	s	INDUCTOR, 47MH
L4	1-412-948-11	s	INDUCTOR, 5.6MH
L5	1-412-948-11	s	INDUCTOR, 5.6MH
L6	1-412-948-11	s	INDUCTOR, 5.6MH
L7	1-412-948-11	s	INDUCTOR, 5.6MH
L8	1-412-948-11	s	INDUCTOR, 5.6MH
L9	1-412-948-11	s	INDUCTOR, 5.6MH
L10	1-414-402-11	s	INDUCTOR, 47MH
L11	1-414-402-11	s	INDUCTOR, 47MH
L12	1-414-402-11	s	INDUCTOR, 47MH
L13	1-414-402-11	s	INDUCTOR, 47MH
L14	9-885-004-62	s	INDUCTOR (47MH), CHIP
L15	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L16	9-885-004-62	s	INDUCTOR (47MH), CHIP
L17	9-885-004-63	s	FILTER, EMI
L18	9-885-004-63	s	FILTER, EMI
L19	9-885-004-63	s	FILTER, EMI
L20	9-885-004-69	s	INDUCTOR (100MH)
L21	1-414-402-11	s	INDUCTOR, 47MH
L22	1-414-402-11	s	INDUCTOR, 47MH
L23	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L24	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L25	1-414-402-11	s	INDUCTOR, 47MH
L26	1-414-402-11	s	INDUCTOR, 47MH
L27	9-885-004-63	s	FILTER, EMI

(DPR-158 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
L28	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L29	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L30	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L31	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L32	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L33	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L34	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L35	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L36	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L37	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L38	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L39	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L40	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L41	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L42	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L43	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L44	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L45	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L46	*2 9-885-010-85	s	BEAD, FERRITE 220MH
L47	*2 9-885-010-85	s	BEAD, FERRITE 220MH
Q1	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2	8-729-026-49	s	TRANSISTOR 2S037AK-T146-R
Q3	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q4	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q6	8-729-026-49	s	TRANSISTOR 2S037AK-T146-R
Q10	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q11	8-729-026-49	s	TRANSISTOR 2S037AK-T146-R
Q12	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q13	8-729-026-49	s	TRANSISTOR 2S037AK-T146-R
Q14	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R1	1-216-801-11	s	RESISTOR, CHIP 22 0.5% 1/16W
R2	1-218-687-11	s	RESISTOR, CHIP 620 0.5% 1/16W
R3	1-218-697-11	s	RESISTOR, CHIP 1.6K 0.5% 1/16W
R4	1-218-680-11	s	RESISTOR, CHIP 330 0.5% 1/16W
R5	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R6	1-216-801-11	s	RESISTOR, CHIP 22 0.5% 1/16W
R7	1-218-687-11	s	RESISTOR, CHIP 620 0.5% 1/16W
R8	1-218-697-11	s	RESISTOR, CHIP 1.6K 0.5% 1/16W
R9	1-218-680-11	s	RESISTOR, CHIP 330 0.5% 1/16W
R10	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R11	1-216-801-11	s	RESISTOR, CHIP 22 0.5% 1/16W
R12	1-218-687-11	s	RESISTOR, CHIP 620 0.5% 1/16W
R13	1-218-697-11	s	RESISTOR, CHIP 1.6K 0.5% 1/16W
R14	1-218-680-11	s	RESISTOR, CHIP 330 0.5% 1/16W
R15	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R16	1-216-821-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R17	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R18	1-218-685-11	s	RESISTOR, CHIP 510 0.5% 1/16W
R19	1-218-692-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R20	1-218-692-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R21	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R22	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R23	1-218-685-11	s	RESISTOR, CHIP 510 0.5% 1/16W
R24	1-218-685-11	s	RESISTOR, CHIP 510 0.5% 1/16W
R25	1-218-685-11	s	RESISTOR, CHIP 510 0.5% 1/16W
R26	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R27	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R28	1-218-665-11	s	RESISTOR, CHIP 75 0.5% 1/16W

(DPR-158 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
R29	1-218-665-11	s	RESISTOR, CHIP 75 0.5% 1/16W
R30	1-218-665-11	s	RESISTOR, CHIP 75 0.5% 1/16W
R31	1-216-821-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R32	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R33	1-216-865-11	s	RESISTOR, CHIP 3K 0.5% 1/16W
R34	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R35	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R36	*2 1-216-813-11	s	RESISTOR, CHIP 220 0.5% 1/16W
	*1 1-218-675-11	s	RESISTOR, CHIP 200 0.5% 1/16W
R37	*2 1-216-821-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
	*1 1-216-820-11	s	RESISTOR, CHIP 820 0.5% 1/16W
R38	*2 1-216-825-11	s	RESISTOR, CHIP 2.2K 0.5% 1/16W
	*1 1-216-829-11	s	RESISTOR, CHIP 4.7K 0.5% 1/16W
R39	1-216-825-11	s	RESISTOR, CHIP 2.2K 0.5% 1/16W
R40	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R41	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R42	*2 1-216-813-11	s	RESISTOR, CHIP 220 0.5% 1/16W
	*1 1-218-675-11	s	RESISTOR, CHIP 200 0.5% 1/16W
R43	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R44	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R45	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R46	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R47	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R48	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R49	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R50	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R51	1-216-817-11	s	RESISTOR, CHIP 470 0.5% 1/16W
R52	1-218-689-11	s	RESISTOR, CHIP 750 0.5% 1/16W
R53	1-216-851-11	s	RESISTOR, CHIP 330K 0.5% 1/16W
R54	1-216-823-11	s	RESISTOR, CHIP 1.5K 0.5% 1/16W
R55	1-216-829-11	s	RESISTOR, CHIP 4,7K 0.5% 1/16W
R56	1-216-813-11	s	RESISTOR, CHIP 220 0.5% 1/16W
R57	1-216-815-11	s	RESISTOR, CHIP 330 0.5% 1/16W
R58	1-216-826-11	s	RESISTOR, CHIP 2.7K 0.5% 1/16W
R59	1-216-816-11	s	RESISTOR, CHIP 390 0.5% 1/16W
R60	1-216-813-11	s	RESISTOR, CHIP 220 0.5% 1/16W
R61	1-216-821-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R62	1-216-829-11	s	RESISTOR, CHIP 4.7K 0.5% 1/16W
R63	1-216-829-11	s	RESISTOR, CHIP 4.7K 0.5% 1/16W
R64	1-216-829-11	s	RESISTOR, CHIP 4.7K 0.5% 1/16W
R65	1-218-680-11	s	RESISTOR, CHIP 330 0.5% 1/16W
R66	1-218-685-11	s	RESISTOR, CHIP 510 0.5% 1/16W
R67	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R68	1-218-675-11	s	RESISTOR, CHIP 200 0.5% 1/16W
R69	1-218-675-11	s	RESISTOR, CHIP 200 0.5% 1/16W
R70	1-216-819-11	s	RESISTOR, CHIP 680 0.5% 1/16W
R71	1-218-671-11	s	RESISTOR, CHIP 130 0.5% 1/16W
R72	1-218-671-11	s	RESISTOR, CHIP 130 0.5% 1/16W
R73	1-218-655-91	s	RESISTOR, CHIP 30 0.5% 1/16W
R74	1-218-675-11	s	RESISTOR, CHIP 200 0.5% 1/16W
R75	1-218-673-11	s	RESISTOR, CHIP 160 0.5% 1/16W
R76	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R77	1-218-680-11	s	RESISTOR, CHIP 330 0.5% 1/16W
R78	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R79	1-218-685-11	s	RESISTOR, CHIP 510 0.5% 1/16W
R80	1-218-651-11	s	RESISTOR, CHIP 20 0.5% 1/16W
R81	1-218-685-11	s	RESISTOR, CHIP 510 0.5% 1/16W
R82	1-218-651-11	s	RESISTOR, CHIP 20 0.5% 1/16W
R83	1-218-680-11	s	RESISTOR, CHIP 330 0.5% 1/16W

(DPR-158 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
R84	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R85	1-218-673-11	s	RESISTOR, CHIP 160 0.5% 1/16W
R86	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R87	1-218-655-91	s	RESISTOR, CHIP 30 0.5% 1/16W
R88	1-218-675-11	s	RESISTOR, CHIP 200 0.5% 1/16W
R89	1-218-671-11	s	RESISTOR, CHIP 130 0.5% 1/16W
R90	1-218-671-11	s	RESISTOR, CHIP 130 0.5% 1/16W
R91	1-218-675-11	s	RESISTOR, CHIP 200 0.5% 1/16W
R92	1-218-675-11	s	RESISTOR, CHIP 200 0.5% 1/16W
R93	1-218-685-11	s	RESISTOR, CHIP 510 0.5% 1/16W
R94	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R95	1-218-689-11	s	RESISTOR, CHIP 750 0.5% 1/16W
R96	1-218-680-11	s	RESISTOR, CHIP 330 0.5% 1/16W
R97	1-218-716-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R98	1-218-716-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R99	1-218-716-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R100	1-218-716-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R101	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R102	1-218-736-11	s	RESISTOR, CHIP 68K 0.5% 1/16W
R103	1-218-692-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R104	1-218-733-11	s	RESISTOR, CHIP 51K 0.5% 1/16W
R105	1-218-733-11	s	RESISTOR, CHIP 51K 0.5% 1/16W
R106	1-218-725-11	s	RESISTOR, CHIP 24K 0.5% 1/16W
R107	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R108	1-218-734-11	s	RESISTOR, CHIP 56K 0.5% 1/16W
R109	1-218-719-11	s	RESISTOR, CHIP 13K 0.5% 1/16W
R110	1-218-732-11	s	RESISTOR, CHIP 47K 0.5% 1/16W
R111	1-218-725-11	s	RESISTOR, CHIP 24K 0.5% 1/16W
R112	1-218-716-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R113 *2	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
*1	1-218-665-11	s	RESISTOR, CHIP 75 0.5% 1/16W
R114	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R115	1-218-695-11	s	RESISTOR, CHIP 1.3K 0.5% 1/16W
R116	1-218-716-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R117	1-218-651-11	s	RESISTOR, CHIP 20 0.5% 1/16W
R118	1-218-688-11	s	RESISTOR, CHIP 680 0.5% 1/16W
R119	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R120	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R121	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R122	1-216-821-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R123	1-216-829-11	s	RESISTOR, CHIP 4.7K 0.5% 1/16W
R124	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R125	1-216-837-11	s	RESISTOR, CHIP 22K 0.5% 1/16W
R126	1-216-837-11	s	RESISTOR, CHIP 22K 0.5% 1/16W
R127	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R128	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R129	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R130	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R131 *2	1-216-821-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
*1	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R132	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R133	1-216-821-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R134	1-216-821-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R135 *2	1-218-665-11	s	RESISTOR, CHIP 75 0.5% 1/16W
*1	1-216-821-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R136	1-216-837-11	s	RESISTOR, CHIP 22K 0.5% 1/16W
R137	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R138	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R139	1-216-821-11	s	RESISTOR, CHIP 1K 0.5% 1/16W

(DPR-158 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
R140	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R141	1-218-714-11	s	RESISTOR, CHIP 8.2K 0.5% 1/16W
R142 *2	1-239-412-11	s	RESISTOR, NETWORK 100 0.5% 1/16W
*1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R143 *2	1-239-412-11	s	RESISTOR, NETWORK 100 0.5% 1/16W
*1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R144 *2	1-239-412-11	s	RESISTOR, NETWORK 100 0.5% 1/16W
*1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R145 *2	1-239-412-11	s	RESISTOR, NETWORK 100 0.5% 1/16W
*1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R146 *2	1-239-412-11	s	RESISTOR, NETWORK 100 0.5% 1/16W
*1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R147 *2	1-216-809-11	s	RESISTOR, CHIP 100 5% 1/16W
*1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R148 *1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R149 *1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R150 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
*1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R151 *1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R152 *1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R153 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
*1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R154	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R155 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
*1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R156 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
*1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R157 *1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R158 *1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R159 *1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R160 *1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R161 *1	1-216-803-11	s	RESISTOR, CHIP 33 0.5% 1/16W
R162	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R163	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R164	1-218-672-11	s	RESISTOR, CHIP 150 0.5% 1/16W
R165	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R166	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R167	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R168	1-218-672-11	s	RESISTOR, CHIP 150 0.5% 1/16W
R169	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R170	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R171 *1	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R172 *1	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R173 *1	1-216-809-11	s	RESISTOR, CHIP 100 0.5% 1/16W
R1001 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1002 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1003 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1004 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1005 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1006 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1007 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1008 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1009 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1010 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1011 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1012 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1013 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1014 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1015 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R1016 *2	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W

(DPR-158 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
RB1 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB2 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB3 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB4 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB5 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB6 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB7 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB8 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB9 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB10 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB11 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB12 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB13 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB14 *1	1-239-412-11	s	NETWORK, RESISTOR 100
RB15 *1	1-239-412-11	s	NETWORK, RESISTOR 100
SW1	9-885-004-64	s	TOGGLE (SW)
U1	8-752-371-55	s	IC CXD2302Q
U2	8-759-495-22	s	IC MAX4213ESA-TE2
U3	8-752-371-55	s	IC CXD2302Q
U4	8-759-495-22	s	IC MAX4213ESA-TE2
U5	8-752-371-55	s	IC CXD2302Q
U6	8-759-495-22	s	IC MAX4213ESA-TE2
U7	8-759-528-48	s	IC NJU7032M-TE2
U8	8-759-391-81	s	IC UPD74HC4066AG-E2
U9	8-759-391-81	s	IC UPD74HC4066AG-E2
U10	8-759-268-00	s	IC TLC2932IPW-E20
U11	8-759-234-08	s	IC TA78L05F
U12	8-759-268-00	s	IC TLC2932IPW-E20
U13	8-759-598-35	s	IC NJM2119M (TE2)
U14	8-759-980-44	s	IC TL712CPS
U15	8-759-980-44	s	IC TL712CPS
U16	8-759-925-85	s	IC SN74HC32ANS
U17	8-759-584-88	s	IC BA7078AF-E2
U18	8-759-353-00	s	IC NJM2534M (TE2)
U19	9-885-004-65	s	IC EPF6024AQC240-2
U20	9-885-004-65	s	IC EPF6024AQC240-2
U21	8-759-598-35	s	IC NJM2119M (TE2)
U22	8-759-598-35	s	IC NJM2119M (TE2)
U23	8-759-598-35	s	IC NJM2119M (TE2)
U24	8-759-598-35	s	IC NJM2119M (TE2)
U25	9-885-010-87	o	ROM1 Ver1.0
U26	9-885-010-88	o	ROM2 Ver1.0
U28	8-759-234-08	s	IC TA78L05F
U29	8-759-053-34	s	IC UPD74HC4053G
U31	9-885-010-89	o	ROM3 Ver1.0
U32	8-759-106-65	s	IC UPD74HCU04G
U33	8-759-598-35	s	IC NJM2119M (TE2)
U34	8-759-598-35	s	IC NJM2119M (TE2)
U35	8-759-598-35	s	IC NJM2119M (TE2)
U36	8-759-598-35	s	IC NJM2119M (TE2)
U37	8-759-598-35	s	IC NJM2119M (TE2)
U38	8-759-598-35	s	IC NJM2119M (TE2)
U39	8-759-598-35	s	IC NJM2119M (TE2)
U40	8-759-478-92	s	IC TC7SET04FU (TE85R)
U41	8-759-478-92	s	IC TC7SET04FU (TE85R)
U42	8-759-478-92	s	IC TC7SET04FU (TE85R)
U43	8-759-478-92	s	IC TC7SET04FU (TE85R)

(DPR-158 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
VR2	9-885-004-67	s	RH03APA 10K

LE-218 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8325-063-A	o	MOUNTED CIRCUIT BOARD, LE-218
1pc	3-613-601-01	o	SPACER,LED
C1	1-104-919-11	s	CAPACITOR,TANTALUM 10MF/25V
C2	1-104-919-11	s	CAPACITOR,TANTALUM 10MF/25V
C3	1-111-253-11	s	CAPACITOR TANTALUM 100MF/6.3V
C4	1-163-038-00	s	CAPACITOR, CERAMIC 0.1MF/25V
C5	1-163-038-00	s	CAPACITOR, CERAMIC 0.1MF/25V
C6	1-163-038-00	s	CAPACITOR, CERAMIC 0.1MF/25V
CN1	1-784-435-11	o	CONNECTOR, BOARD TO BOARD 30P
D1	8-719-032-78	s	LED GL3UR8
D2	8-719-032-78	s	LED GL3UR8
D3	8-719-032-78	s	LED GL3UR8
D4	8-719-032-78	s	LED GL3UR8
D5	8-719-032-78	s	LED GL3UR8
D6	8-719-032-78	s	LED GL3UR8
D7	8-719-032-78	s	LED GL3UR8
D8	8-719-032-78	s	LED GL3UR8
D9	8-719-032-78	s	LED GL3UR8
D10	8-719-032-78	s	LED GL3UR8
D11	8-719-032-78	s	LED GL3UR8
D12	8-719-032-78	s	LED GL3UR8
D13	8-719-032-78	s	LED GL3UR8
D14	8-719-032-78	s	LED GL3UR8
D15	8-719-032-78	s	LED GL3UR8
D16	8-719-032-78	s	LED GL3UR8
D17	8-719-032-78	s	LED GL3UR8
D18	8-719-032-78	s	LED GL3UR8
D19	8-719-032-78	s	LED GL3UR8
D20	8-719-032-78	s	LED GL3UR8
D21	8-719-032-78	s	LED GL3UR8
D22	8-719-032-78	s	LED GL3UR8
D23	8-719-032-78	s	LED GL3UR8
D24	8-719-032-78	s	LED GL3UR8
Q1	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q2	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q3	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q4	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q5	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q6	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q14	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q15	1-801-806-11	s	TRANSISTOR DTC144EAK
Q16	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R1	1-216-621-11	s	RESISTOR,CHIP 56 1/10W (2012)
R2	1-216-621-11	s	RESISTOR,CHIP 56 1/10W (2012)
R3	1-216-621-11	s	RESISTOR,CHIP 56 1/10W (2012)
R4	1-216-621-11	s	RESISTOR,CHIP 56 1/10W (2012)
R5	1-216-621-11	s	RESISTOR,CHIP 56 1/10W (2012)
R6	1-216-621-11	s	RESISTOR,CHIP 56 1/10W (2012)
R14	1-216-298-00	s	RESISTOR,CHIP 2.2 1/10 (2012)
R15	1-216-298-00	s	RESISTOR,CHIP 2.2 1/10 (2012)
R16	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W (2012)
R17	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W (2012)
R18	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W (2012)
R19	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W (2012)
R20	1-216-665-11	s	RESISTOR,CHIP 3.9K 1/10W (2012)

PS-580 BOARD

*1: Board No. suffix 11
*2: Board No. suffix 12-

Ref. No or Q'ty	Part No.	SP	Description
1pc	1-761-332-11	o	MOUNTED CIRCUIT BOARD, PS-580
C1	9-885-004-89	s	CAPACITOR, ELECT 100MF 50V
C2	9-885-004-90	s	CAPACITOR, ELECT 270MF 25V
C3	9-885-004-90	s	CAPACITOR, ELECT 270MF 25V
C4	1-162-964-11	s	CAPACITOR, CERAMIC 1000PF 50V
C5	1-162-919-11	s	CAPACITOR, CERAMIC 22PF 5% 50V
C6	9-885-004-90	s	CAPACITOR, ELECT 270MF 25V
C7	1-117-205-11	s	CAPACITOR, TANTALUM 3.3MF 50V
C8	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C9	1-162-964-11	s	CAPACITOR, CERAMIC 1000PF 50V
C10	1-162-919-11	s	CAPACITOR, CERAMIC 22PF 5% 50V
C11	9-885-004-91	s	CAPACITOR, ELECT 680MF 10V
C12	1-162-963-11	s	CAPACITOR, CERAMIC 680PF 10% 50V
C13	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C14	1-162-919-11	s	CAPACITOR, CERAMIC 22PF 5% 50V
C15	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C16	9-885-004-90	s	CAPACITOR, ELECT 270MF 25V
C17	9-885-004-90	s	CAPACITOR, ELECT 270MF 25V
C18	9-885-004-90	s	CAPACITOR, ELECT 270MF 25V
C19	1-117-205-11	s	CAPACITOR, TANTALUM 3.3MF 50V
C20	9-885-004-90	s	CAPACITOR, ELECT 270MF 25V
C21	9-885-004-90	s	CAPACITOR, ELECT 270MF 25V
C22	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C23	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C24	1-117-205-11	s	CAPACITOR, TANTALUM 3.3MF 50V
C25	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C26	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C27	1-164-156-11	s	CAPACITOR, CERAMIC 0.1MF 25V
C28 *1	1-162-974-11	s	CAPACITOR, CERAMIC 0.01MF 50V
CN2	9-885-004-61	o	B TO B CN30P
CN3	9-885-004-86	o	PITCH(CN 5PIN) 1.25MM
D1	8-719-066-98	s	DIODE RB051L-40TE25
D2	8-719-066-98	s	DIODE RB051L-40TE25
D3	8-719-079-92	s	DIODE 1SR159-200TE25
D4	8-719-048-98	s	DIODE RB160L-40TE25
D5	8-719-048-98	s	DIODE RB160L-40TE25
D6	8-719-048-98	s	DIODE RB160L-40TE25
D7	8-719-066-98	s	DIODE RB051L-40TE25
F1 *2⚠	1-532-675-21	s	LINK, IC
*1⚠	9-885-004-92	s	FUSE
IC1	8-759-643-69	s	IC LM3578AM
IC2	8-759-643-69	s	IC LM3578AM
IC3	8-759-643-69	s	IC LM3578AM
L1	1-414-529-21	s	INDUCTOR 100MH
L2	1-414-529-21	s	INDUCTOR 100MH
L3	1-414-529-21	s	INDUCTOR 100MH
L4	1-414-529-21	s	INDUCTOR 100MH
L5 *2	9-885-004-69	s	INDUCTOR 100MH
*1	9-885-004-88	s	INDUCTOR 100MH
L6 *2	9-885-004-69	s	INDUCTOR 100MH
*1	9-885-004-88	s	INDUCTOR 100MH
L8 *2	9-885-004-63	s	FILTER, EMI
*1	9-885-004-93	s	FILTER, EMI

(PS-580 BOARD)

Ref. No or Q'ty	Part No.	SP	Description
L9	1-414-529-21	s	INDUCTOR 100MH
L10 *2	9-885-004-69	s	INDUCTOR 100MH
*1	9-885-004-88	s	INDUCTOR 100MH
Q1	8-729-040-86	s	TRANSISTOR UPA1712G-E1
Q2	8-729-040-86	s	TRANSISTOR UPA1712G-E1
Q3	9-885-004-94	s	TRANSISTOR RK3055E
Q10	1-801-686-11	s	TRANSISTOR 2SC5053-T100-Q
Q11	1-801-685-11	s	TRANSISTOR 2SA1900-T100-Q
Q12	1-801-685-11	s	TRANSISTOR 2SA1900-T100-Q
Q13	1-801-686-11	s	TRANSISTOR 2SC5053-T100-Q
Q16	1-801-686-11	s	TRANSISTOR 2SC5053-T100-Q
Q17	1-801-685-11	s	TRANSISTOR 2SA1900-T100-Q
R1	1-218-716-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R2	1-218-692-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R3	1-216-825-11	s	RESISTOR, CHIP 2.2K 0.5% 1/16W
R4	9-885-004-95	s	RESISTOR 0.1
R5	1-216-845-11	s	RESISTOR, CHIP 100K 0.5% 1/16W
R6	1-218-692-11	s	RESISTOR, CHIP 1K 0.5% 1/16W
R7	1-218-724-11	s	RESISTOR, CHIP 22K 0.5% 1/16W
R8	1-218-716-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R9	1-216-825-11	s	RESISTOR, CHIP 2.2K 0.5% 1/16W
R10	1-218-700-11	s	RESISTOR, CHIP 2.2K 1/16W
R11	9-885-004-95	s	RESISTOR 0.1
R12	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R13	1-218-716-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R14	1-218-730-11	s	RESISTOR, CHIP 39K 0.5% 1/16W
R15	1-216-833-11	s	RESISTOR, CHIP 10K 1/16W
R16	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W
R17	9-885-004-95	s	RESISTOR 0.1
R19	1-218-741-11	s	RESISTOR, CHIP 110K 0.5% 1/16W
R20 *1	1-216-809-11	s	RESISTOR, CHIP 100 1/16W
T1	9-885-004-96	s	TRANSFORMER (6H01)

RE-183 BOARD

Ref. No or Q'ty	Part No.	SP	Description
1pc	1-761-331-11	o	MOUNTED CIRCUIT BOARD, RE-183
C1	1-107-689-21	s	CAPACITOR, TANTALUM 1MF 35V
C2	1-162-959-11	s	CAPACITOR, CERAMIC 330PF 50V
C3	1-163-809-11	s	CAPACITOR, CERAMIC 0.047uF 25V
C4	1-162-963-11	s	CAPACITOR, CERAMIC 680PF 50V
C5	1-162-963-11	s	CAPACITOR, CERAMIC 680PF 50V
C6	9-885-004-74	s	CAPACITOR, CERAMIC 27PF 3KV
C7	1-113-677-11	s	CAPACITOR, CERAMIC 1MF 25V
C8	1-113-677-11	s	CAPACITOR, CERAMIC 1MF 25V
C9	1-113-677-11	s	CAPACITOR, CERAMIC 1MF 25V
C10	9-885-004-75	s	CAPACITOR
C11	1-107-689-21	s	CAPACITOR, TANTALUM 1MF 35V
C12	1-107-689-21	s	CAPACITOR, TANTALUM 1MF 35V
C13	9-885-004-70	s	CAPACITOR, 2.2MF 25V
C14	1-164-156-11	s	CAPACITOR, CERAMIC 0.1UF 25V
CN1	9-885-004-84	s	SMO2 (8.0) B-BHS-1
CN2	9-885-004-86	s	PITCH (CN 5PIN), 1.25MM
D1	8-719-066-98	s	DIODE RB051L-40TE25
D2	8-719-937-56	s	DIODE RLS-73
F1 ⚠	9-885-044-77	s	FUSE 2.3A
L1	1-414-529-21	s	INDUCTOR (POWER)
L2	1-414-529-21	s	INDUCTOR (POWER)
Q2	8-729-040-86	s	TRANSISTOR UPA1712G-E1
Q3	8-729-033-38	s	TRANSISTOR 2SC5103-P
Q4	8-729-033-38	s	TRANSISTOR 2SC5103-P
Q5	1-801-685-11	s	TRANSISTOR 2SA1900-T100-Q
Q6	1-801-686-11	s	TRANSISTOR 2SC5053-T100-Q
Q7	1-801-685-11	s	TRANSISTOR 2SA1900-T100-Q
Q8	1-801-686-11	s	TRANSISTOR 2SC5053-T100-Q
R1	1-218-292-11	s	RESISTOR, CHIP 20K 0.5% 1/16W
R2	1-216-835-11	s	RESISTOR, CHIP 15K 0.5% 1/16W
R3	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R4	1-218-344-11	s	RESISTOR, CHIP 7.5K 0.5% 1/16W
R5	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R6	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R7	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R8	1-216-841-11	s	RESISTOR, CHIP 47K 0.5% 1/16W
R10	1-216-833-11	s	RESISTOR, CHIP 10K 0.5% 1/16W
R13	1-218-271-11	s	RESISTOR, CHIP 2K 0.5% 1/16W
R14	9-885-004-79	s	RESISTOR, CHIP 680 1/4W
R15	9-885-004-79	s	RESISTOR, CHIP 680 1/4W
R16	1-218-692-11	s	RESISTOR, CHIP 1K 1/16W
R17	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R18	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
R19	1-216-864-11	s	RESISTOR, CHIP 0 1/16W
T1	9-885-004-72	s	TRANSFORMER
U1	8-759-971-39	s	IC BA9700AF
VR1	9-885-004-67	s	ADJ, RES 10K

```
------------
VR-265 BOARD
------------
 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      A-8325-064-A o MOUNTED CIRCUIT BOARD, VR-265

 C1       1-163-021-91 s CAPACITOR, CERAMIC 0.01MF/50V

 CN1      1-764-097-11 o PIN, CONNECTOR (PC BOARD) 12P

 R1       1-218-703-11 s RESISTOR,METAL 3.0K 1/16 (1608)
 R2       1-218-693-11 s RESISTOR,CHIP 1.1K 1/16W (1608)
 R3       1-218-668-11 s RESISTOR,CHIP 100 1/16W (1608)
 R4       1-218-675-11 s RESISTOR,CHIP 200 1/16W (1608)
 R5       1-218-675-11 s RESISTOR,CHIP 200 1/16W (1608)

 R6       1-218-699-11 s RESISTOR,CHIP 2.0K 1/16W (1608)
 R7       1-218-699-11 s RESISTOR,CHIP 2.0K 1/16W (1608)

 RV1      1-223-958-11 s RESISTOR, VAR, CARBON 10K
 RV2      1-223-958-11 s RESISTOR, VAR, CARBON 10K

 S1       1-692-323-11 s SWITCH,ROTARY
```

```
-----
FRAME
-----
 Ref. No.
 or Q'ty  Part No.    SP Description

 HN001    1-960-410-11 s HARNESS (VF CABLE1)
                         (For HDVF-C700W)
   (TO CN1, CN2/CN-1821 BOARD)
   1pc    1-566-356-11 o D-SUB CONNECTOR 25P
   1pc    1-695-214-11 o HOUSING, CONNECTOR 15P
   1pc    1-764-200-11 o HOUSING, CONNECTOR 14P
   16pcs  1-564-775-11 s CONTACT, PLUG
   16pcs  1-695-215-11 o TERMINAL, SOLDERLESS 1P

 HN002    1-960-409-11 s HARNESS (VF CABLE2)
                         (For HDVF-C750W)
   (TO CN1, CN2/CN-1821 BOARD)
   1pc    1-695-214-11 o HOUSING, CONNECTOR 15P
   1pc    1-764-200-11 o HOUSING, CONNECTOR 14P
   22pcs  1-695-215-11 o TERMINAL, SOLDERLESS 1P
   1pc    7-623-508-01 s LUG, 3
   1pc    7-623-507-01 s LUG, 2.6

 HN003    1-960-408-11 o HARNESS (GROUND WIRE)
   (FROM CN-1821 BOARD TO BEZEL ASSY)
   1pc    7-623-508-01 s LUG, 3
   1pc    7-623-507-01 s LUG, 2.6
```

3-3. Supplied Accessories

```
 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc   *1 A-7612-405-A o SHOE ASSY, V EDGE
 1pc      X-3166-281-4 o HOOD ASSY, INDOOR
 1pc   *1 1-792-603-11 s CORD, CONNECTION (VF)
 1pc      4-027-937-01 s PLATE,NUMBER (PLA)
 4pcs  *1 7-683-421-04 o BOLT,HEXAGON-SOCKET 4X12

 1pc   *1 7-721-140-60 s L-SHAPED HEX. WRENCH (3.0MM)

 *1: HDVF-C750W only
```

3-4. Optional Fixtures

```
 Part No.    SP Description

 9-885-005-89 s DPR-PS EXTENSION HARNESS
 9-885-005-90 s CN-DPR EXTENSION HARNESS
 J-6029-140-B o PATTERN BOX, PTB-500
```

Section 4
Semiconductor Pin Assignments

The following describes the semiconductor types used in this unit.
For semiconductors marked with page numbers in the index, refer to the corresponding pages in this section. However, in some cases incompatible types are also listed, therefore, when a part is to be replaced, also refer to the Spare Parts section.
In addition, for semiconductors with ID Nos., refer to the separate CD-ROM titled “Semiconductor Pin Assignments” (Sony Part No. 9-968-546-xx) that allows searching for parts by semiconductor type or ID No.
The semiconductors in the manual or on the CD-ROM are listed by equivalent types. Thus the external view or the index mark indication may differ from the actual type.
Pin assignments and block diagrams are based on the IC manufacturer’s data book.

本機に使用されている半導体型名の一覧を下記に示します。
索引中，ページが記載されている半導体は，本章の該当ページを参照してください。ただし，互換性のない型名を併記している場合がありますので，部品を交換するときは，Spare Partsの章を参照してください。
また，ID番号が記載されている半導体は，別途発行の “Semiconductor Pin Assignments” CD−ROM版 (ソニー部品番号：9−968−546−xx)を参照してください。
半導体型名またはID番号から検索ができます。
マニュアルまたはCD−ROMに掲載されている半導体は，それぞれの機能を等価的に表わしたものです。
外観やインデックスマークの表示方法が実物と異なる場合があります。
ピン配置およびブロック図はICメーカーのデータブックに従いました。

DIODE — **Page or ID No.**

1SR159-200 ..... DC007-01

MA3J74200LSO DC001-01

RB051L-40TE25 ..... DC007-01
RB160L-40TE25 ..... DC007-01
RLS-73 ..... DC006-01
RLS-73-TE-11 ..... DC006-01

LED — **Page or ID No.**

GL3UR8 ..... LR002-01

TRANSISTOR — **Page or ID No.**

2SA1037AK-T146-QR TC001-01
2SA1037AK-T146-R TC001-01
2SA1162G TC001-01
2SA1610-T1Y34 ..... TC001-01
2SA1610-Y33 ..... TC001-01
2SA1900-T100-Q TC002-01
2SA812-T1M7 ..... TC001-01
2SB1114-T1ZL TC002-01
2SB1121-ST TC002-01
2SC1623-L5L6 ..... TC001-02
2SC1623-T1-L5L6 ..... TC001-02
2SC2873Y-TE12L TC002-02
2SC4176-B34 ..... TC001-02
2SC4176T1B33B34B35 ..... TC001-02
2SC5053-T100-Q TC002-02
2SC5103-P TC010-03
2SD1614-T1XL TC002-02
2SD1623-S TC002-02

DTC144EKA TC001-03
DTC144EKA-T146 ..... TC001-03

RK3055E TC010-01

UPA1712G-E1 ..... TC012-04

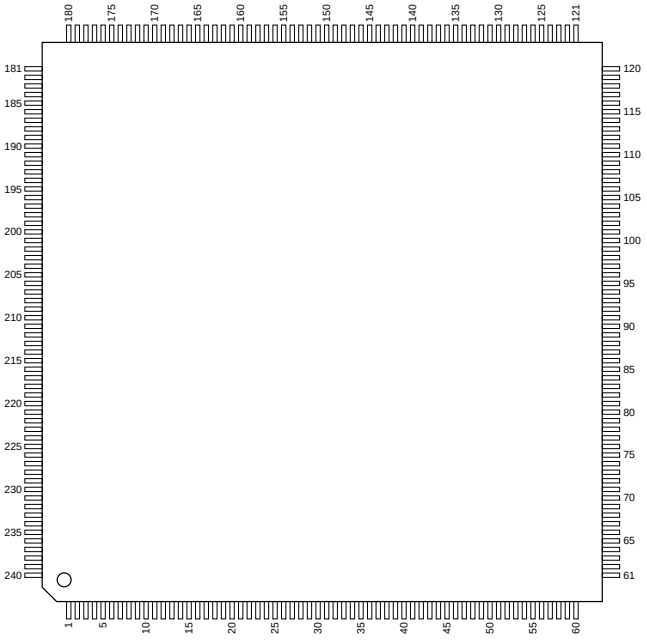
Index

IC	Page or ID No.
BA7078AF-E2	4-3
BR24C02F-E2	4-4
CLC505AJE	CLC505AJE
CLC505AJE-T	CLC505AJE
CXD2302Q	CXD2302Q
CXD2302Q-T4	CXD2302Q
EPC1441PC8	EPC1PC8
EPF6024AQC240-2	4-3
LM3578AM	4-4
LM393PS	UA393DC
LM393PS-E20	UA393DC
LM4040AIM3-2.5	LM4040BIM3
MAX4213ESA-TE2	4-4
NJM2119M(TE2)	LM358N
NJM2534M(TE2)	NJM2234M
NJU7032M-TE2	LM358N
PCF8574T-T	PCF8574T
S-24C02AFJA-TB-01	4-4
SN74HC32ANS	TC74HC32P
TA78L05F	NJM78L12UA
TA78L05F-TE12L	NJM78L12UA
TC4W53FU	TC4W53FU
TC4W53FU(TE12R)	TC4W53FU
TC74HC4053AFT(EL)	MC74HC4053F
TC74VHC08FT(EL)	TC74HC08P
TC74VHC32FT(EL)	TC74HC32P
TC7S04FU(TE85R)	TC7S04F
TC7S08FU(TE85R)	TC7S08F
TC7S32FU(TE85R)	TC7S32F
TC7SET04FU(TE85R)	TC7S04F
TC7W04FU	TC7W04F
TC7W04FU(TE12R)	TC7W04F
TL062CPW	RC4558
TL062CPWR	RC4558
TL712CPS	TL712PS
TL712CPSR	TL712PS
TLC2932IPW	TLC2932IPW
TLC2932IPW-E20	TLC2932IPW
UPD74HC32G-T1	TC74HC32P
UPD74HC4053G	MC74HC4053F
UPD74HC4053G-T1	MC74HC4053F
UPD74HC4066AG-E2	MC74HC4066N
UPD74HCU04G	TC74HC04P
UPD74HCU04G-E2	TC74HC04P

IC

EPF6024AQC240-2 (ALTERA)

PROGRAMMABLE LOGIC DEVICE
—TOP VIEW—



INPUTS

$\overline{CE}$	: CHIP ENABLE
CLKUSR	: OPTIONAL USER-SUPPLIED CLOCK
$\overline{CONFIG}$	: CONFIGURATION CONTROL
CS, $\overline{CS}$	: CHIP SELECT
DATA	: DATA
DCLK	: CLOCK
$\overline{DEV\ CLR}$	: CLEAR ON DEVICE
DEV OE	: OUTPUT ENABLE ON DEVICE
IN	: IN
MSEL	: 2-BIT CONFIGURATION
$\overline{RS}$	: READ STROBE
TMS	: TEST MODE SELECT
$\overline{WS}$	: WRITE STROBE

OUTPUTS

CONF DONE	: STATUS
$\overline{CEO}$	: CHIP ENABLE
INIT DONE	: STATUS PIN
RDY/$\overline{BSY}$	: READY
$\overline{STATUS}$	: STATUS

INPUT/OUTPUT

I/O	: I/O

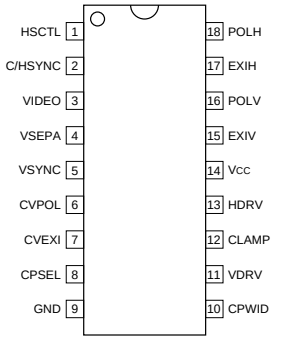
OTHERS

TCK	: TEST CLOCK INPUT
TDI	: TEST DATA INPUT
TDO	: TEST DATA OUTPUT

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	I/O	61	—	GND	121	I/O	I/O	181	—	GND
2	I/O	I/O	62	I/O	I/O	122	I/O	I/O	182	I/O	I/O
3	I/O	I/O	63	I/O	I/O	123	I/O	I/O	183	I/O	I/O
4	I/O	I/O	64	I/O	I/O	124	I/O	TDO, I/O	184	I/O	$\overline{CS}$, I/O
5	I/O	I/O	65	I/O	I/O	125	I/O	I/O	185	I/O	I/O
6	I/O	I/O	66	I/O	I/O	126	I/O	I/O	186	I/O	I/O
7	I/O	I/O	67	I/O	I/O	127	I/O	I/O	187	I/O	I/O
8	I/O	I/O	68	I/O	I/O	128	I/O	I/O	188	I/O	CS, I/O
9	I	$\overline{CE}$	69	I/O	I/O	129	—	GND	189	I/O	I/O
10	—	GND	70	I/O	I/O	130	—	Vcc	190	I/O	I/O
11	—	Vcc	71	—	GND	131	—	Vcc	191	—	GND
12	—	Vcc	72	—	Vcc	132	I/O	I/O	192	—	Vcc
13	I/O	I/O	73	I/O	I/O	133	I/O	I/O	193	I/O	I/O
14	I/O	I/O	74	I/O	I/O	134	I/O	I/O	194	I/O	I/O
15	I/O	I/O	75	I/O	I/O	135	I/O	I/O	195	I/O	$\overline{WS}$, I/O
16	I/O	I/O	76	I/O	I/O	136	I/O	I/O	196	I/O	I/O
17	I/O	I/O	77	I/O	I/O	137	I/O	I/O	197	I/O	I/O
18	I/O	I/O	78	I/O	I/O	138	I/O	I/O	198	I/O	I/O
19	I/O	I/O	79	I/O	I/O	139	I/O	I/O	199	I/O	I/O
20	I/O	I/O	80	I/O	I/O	140	I/O	I/O	200	I/O	$\overline{RS}$, I/O
21	I/O	I/O	81	I/O	I/O	141	I/O	I/O	201	I/O	I/O
22	I/O	TDI, I/O	82	I/O	I/O	142	I/O	I/O	202	I/O	I/O
23	I/O	I/O	83	I/O	I/O	143	I/O	I/O	203	I/O	I/O
24	I/O	I/O	84	I/O	I/O	144	I/O	I/O	204	I/O	I/O
25	I/O	I/O	85	I/O	I/O	145	I/O	I/O	205	I/O	DEV OE, I/O
26	I/O	I/O	86	I/O	I/O	146	I/O	I/O	206	I/O	I/O
27	I/O	I/O	87	I/O	I/O	147	I/O	I/O	207	I/O	I/O
28	I/O	IN, I/O	88	I/O	I/O	148	I/O	IN, I/O	208	I/O	I/O
29	—	GND	89	I	$\overline{CONFIG}$	149	—	GND	209	I	DATA
30	—	Vcc	90	—	GND	150	—	Vcc	210	—	GND
31	—	Vcc	91	—	Vcc	151	—	Vcc	211	—	Vcc
32	I/O	IN, I/O	92	O	$\overline{STATUS}$	152	I/O	IN, I/O	212	I	DCLK
33	I/O	I/O	93	I/O	I/O	153	I/O	I/O	213	I/O	I/O
34	I/O	I/O	94	I/O	I/O	154	I/O	I/O	214	I/O	I/O
35	I/O	I/O	95	I/O	I/O	155	I/O	INIT DONE, I/O	215	I/O	I/O
36	I/O	I/O	96	I/O	I/O	156	I/O	I/O	216	I/O	$\overline{DEV\ CLR}$, I/O
37	I/O	I/O	97	I/O	I/O	157	I/O	I/O	217	I/O	I/O
38	I/O	I/O	98	I/O	I/O	158	I/O	I/O	218	I/O	I/O
39	I/O	I/O	99	I/O	I/O	159	I/O	I/O	219	I/O	I/O
40	I/O	I/O	100	I/O	I/O	160	I/O	I/O	220	I/O	I/O
41	I/O	I/O	101	I/O	I/O	161	I/O	RDY/$\overline{BSY}$, I/O	221	I/O	I/O
42	I/O	I/O	102	I/O	I/O	162	I/O	I/O	222	I/O	I/O
43	I/O	I/O	103	I/O	I/O	163	I/O	I/O	223	I/O	I/O
44	I/O	TMS, I/O	104	I/O	I/O	164	I/O	I/O	224	I/O	I/O
45	I/O	I/O	105	I/O	I/O	165	I/O	I/O	225	I/O	I/O
46	I/O	I/O	106	I/O	I/O	166	I/O	CLKUSR, I/O	226	I/O	I/O
47	I/O	I/O	107	I/O	I/O	167	I/O	I/O	227	I/O	I/O
48	I/O	I/O	108	I/O	I/O	168	I/O	I/O	228	I/O	I/O
49	—	GND	109	—	GND	169	—	GND	229	—	GND
50	—	Vcc	110	—	Vcc	170	—	Vcc	230	—	Vcc
51	—	Vcc	111	I/O	I/O	171	—	Vcc	231	I/O	I/O
52	I	MSEL	112	I/O	I/O	172	O	CONF DONE	232	I/O	I/O
53	I/O	I/O	113	I/O	I/O	173	I/O	I/O	233	I/O	I/O
54	I/O	TCK, I/O	114	I/O	I/O	174	I/O	I/O	234	I/O	I/O
55	I/O	I/O	115	I/O	I/O	175	I/O	I/O	235	I/O	I/O
56	I/O	I/O	116	I/O	I/O	176	I/O	I/O	236	I/O	I/O
57	I/O	I/O	117	I/O	$\overline{CEO}$, I/O	177	I/O	I/O	237	I/O	I/O
58	I/O	I/O	118	I/O	I/O	178	I/O	I/O	238	I/O	I/O
59	I/O	I/O	119	I/O	I/O	179	I/O	I/O	239	I/O	I/O
60	I/O	I/O	120	—	GND	180	I/O	I/O	240	—	GND

BA7078AF-E2 (ROHM)

SYNC SIGNAL PROCESSOR
—TOP VIEW—

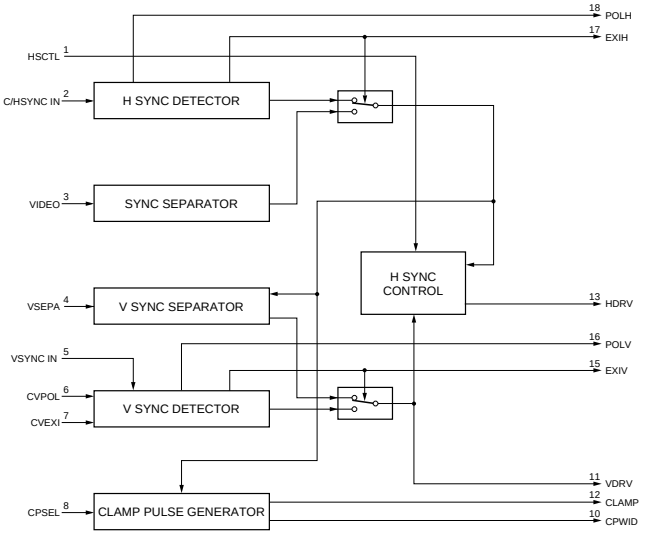


INPUTS

C/HSYNC	: COMPOSITE/HORIZONTAL SYNC
CPSEL	: SETTING THE CLAMP POSITION
CVEXI	: VERTICAL EXISTENCE INTEGRATION
CVPOL	: VERTICAL POLARITY INTEGRATION
HSCTL	: VDRV SECTION OF HDRV
VIDEO	: SYNC ON VIDEO
VSEPA	: F-V CONVERSION
VSYNC	: VERTICAL SYNC SIGNAL

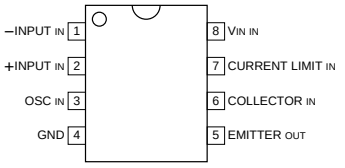
OUTPUTS

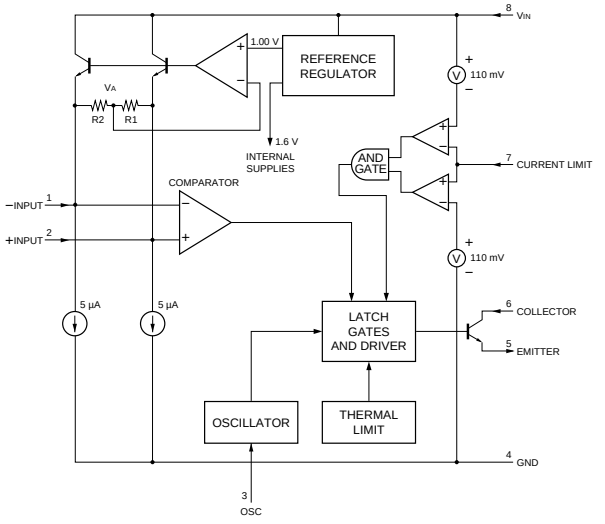
CLAMP	: CLAMP PULSE
CPWID	: SETTING THE CLAMP PULSE WIDTH
EXIH	: HORIZONTAL EXISTENCE
EXIV	: VERTICAL EXISTENCE
HDRV	: HORIZONTAL SYNC SIGNAL
POLH	: HORIZONTAL POLARITY
POLV	: VERTICAL POLARITY
VDRV	: VERTICAL SYNC SIGNAL



LM3578AM (NS)

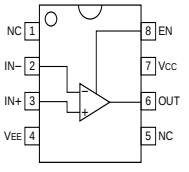
SWITCHING REGULATOR
—TOP VIEW—





MAX4213ESA-TE2 (MAXIM)

SINGLE-SUPPLY OPERATIONAL AMPLIFIER
—TOP VIEW—

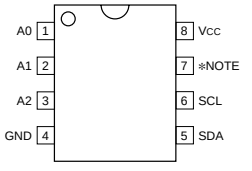


INPUT
EN : ENABLE AMPLIFIER

OTHER
NC : NO CONNECTION

S-24C02AFJA-TB-01 (SEIKO INSTR)
BR24C02F-E2

SERIAL EEPROM
—TOP VIEW—



INPUTS
A0 - A2 : ADDRESS
SCL : SERIAL CLOCK
$\overline{WC}$: WRITE CONTROL

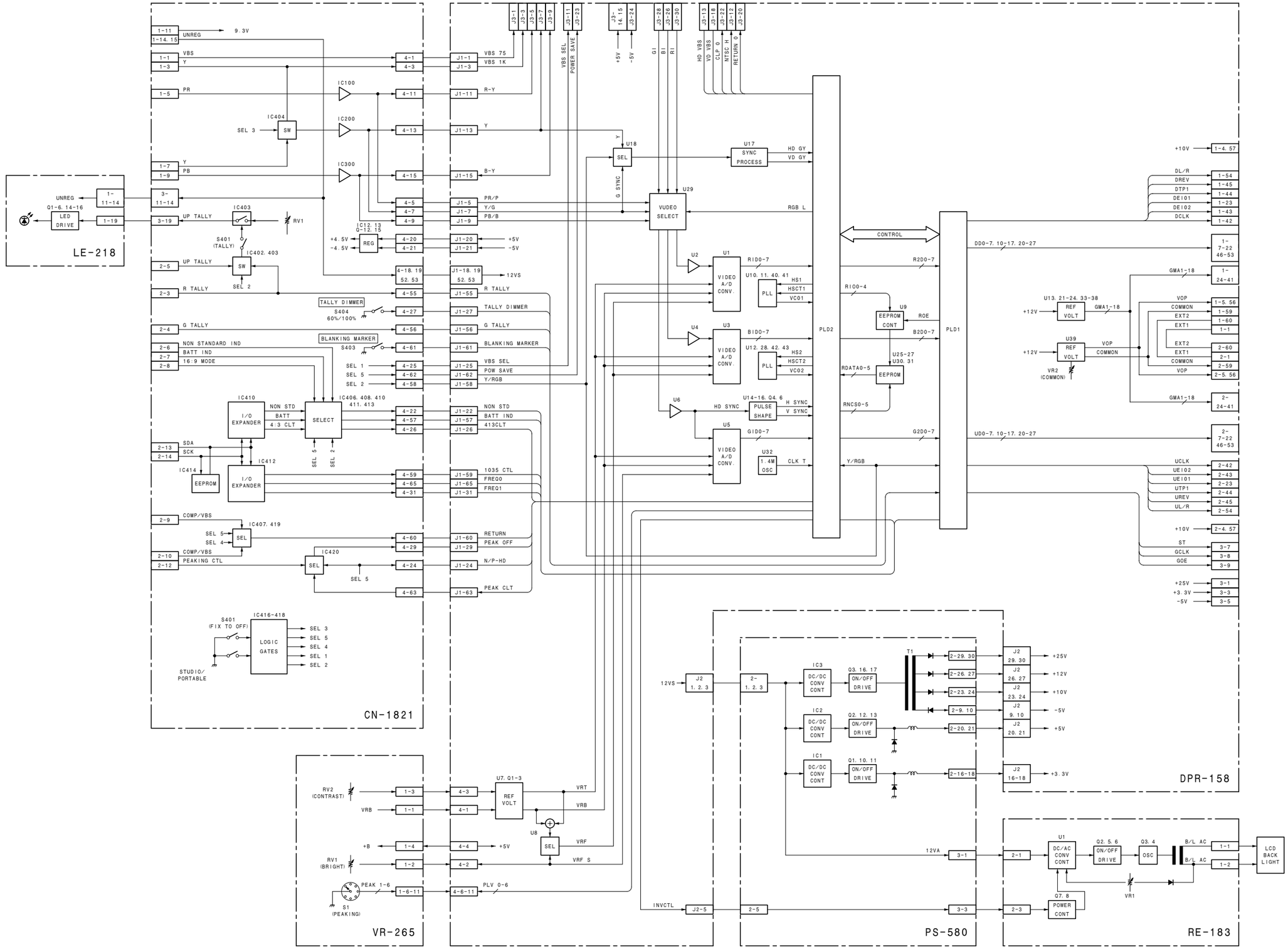
INPUT/OUTPUT
SDA : SERIAL DATA

OTHERS
NC : NO CONNECTION
TEST : TEST PIN

✻NOTE :

TYPE	MEMORY	PIN 7
NM24C16	16 K	NC
X24C02 S-24C02 CAT24WC02	2 K	$\overline{WC}$
X24C04	4 K	TEST
X24C08	8 K	TEST

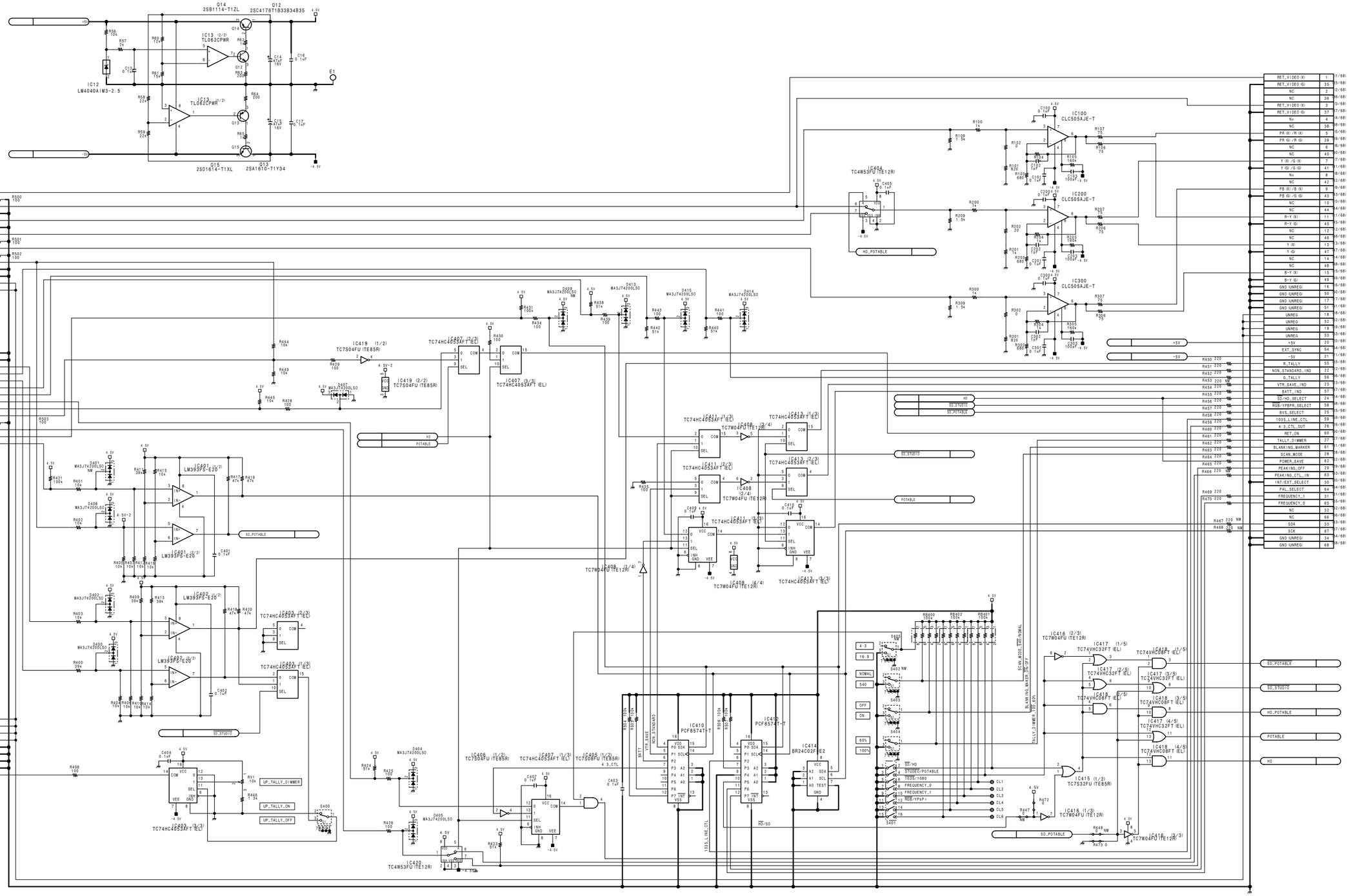
Section 5
Block Diagram



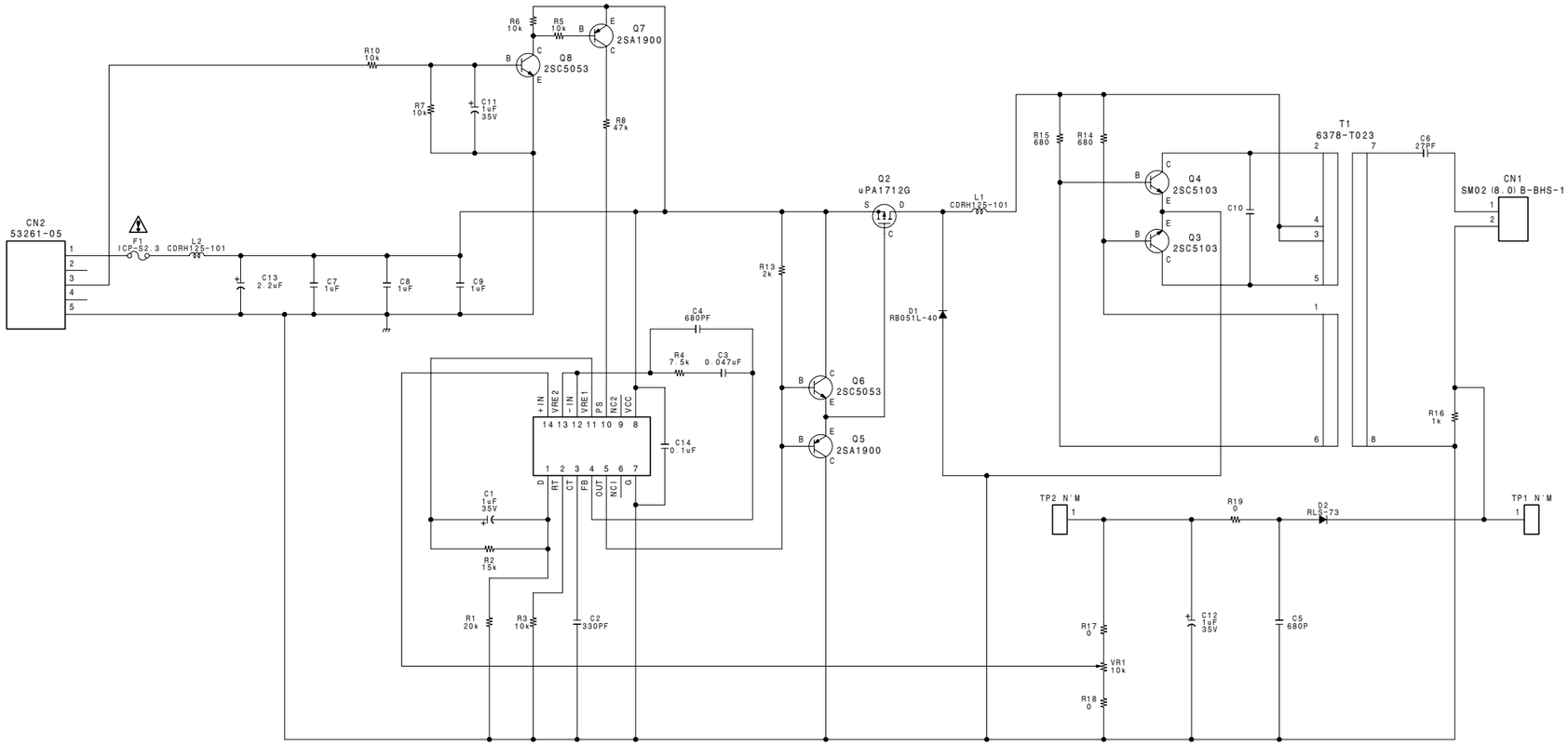
Section 6
Schematic Diagrams

Schematic Diagram Index

	Page
CN-1821	6-2
DPR-158	6-4
LE-218	6-14
PS-580	6-12
RE-183	6-3
VR-265	6-14
Frame Wiring	6-15

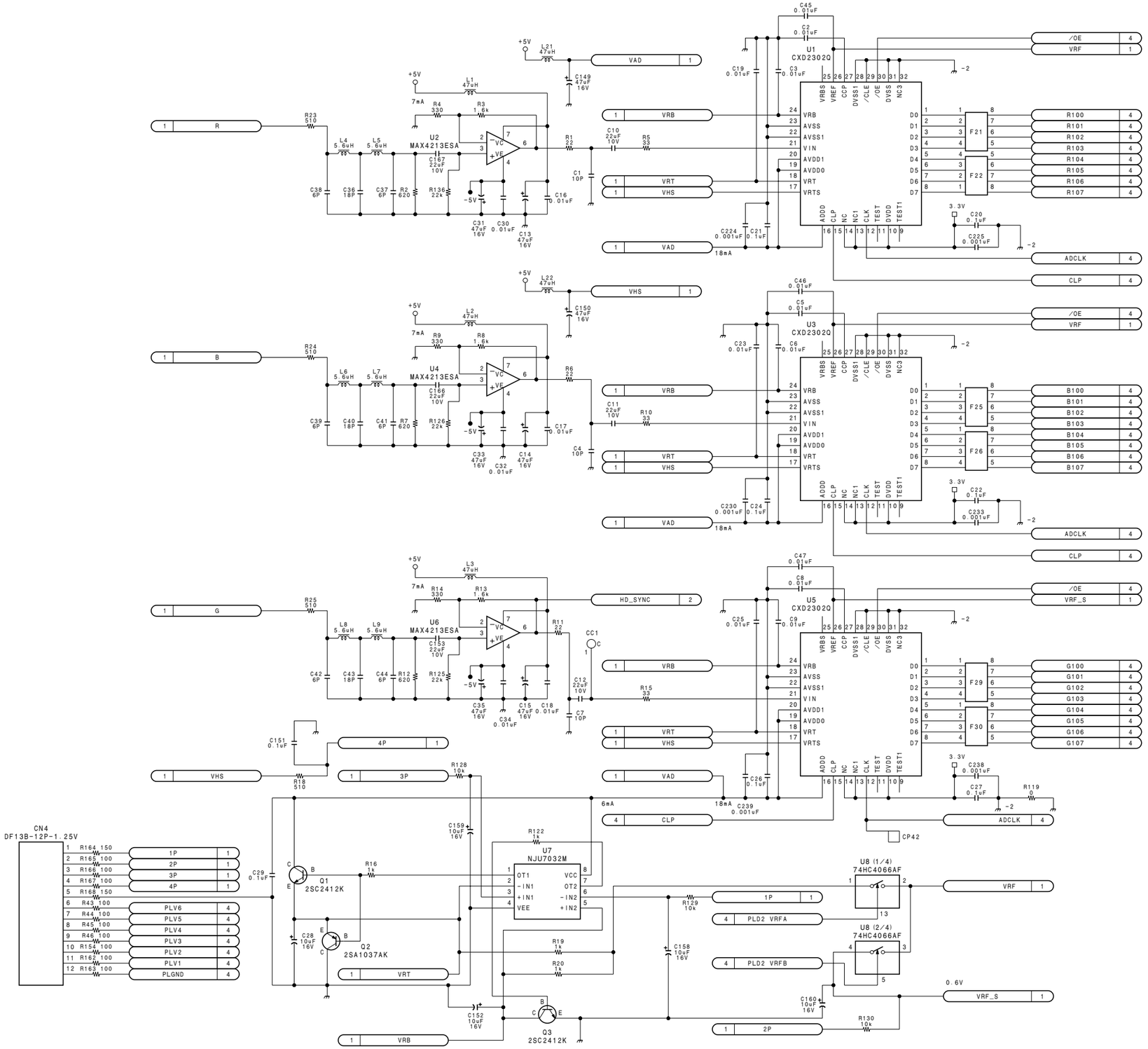


CN-1821
BOARD NO. 1-676-226-11
LOT NO. 911-
HDVFC750W_CN-1821_011_1



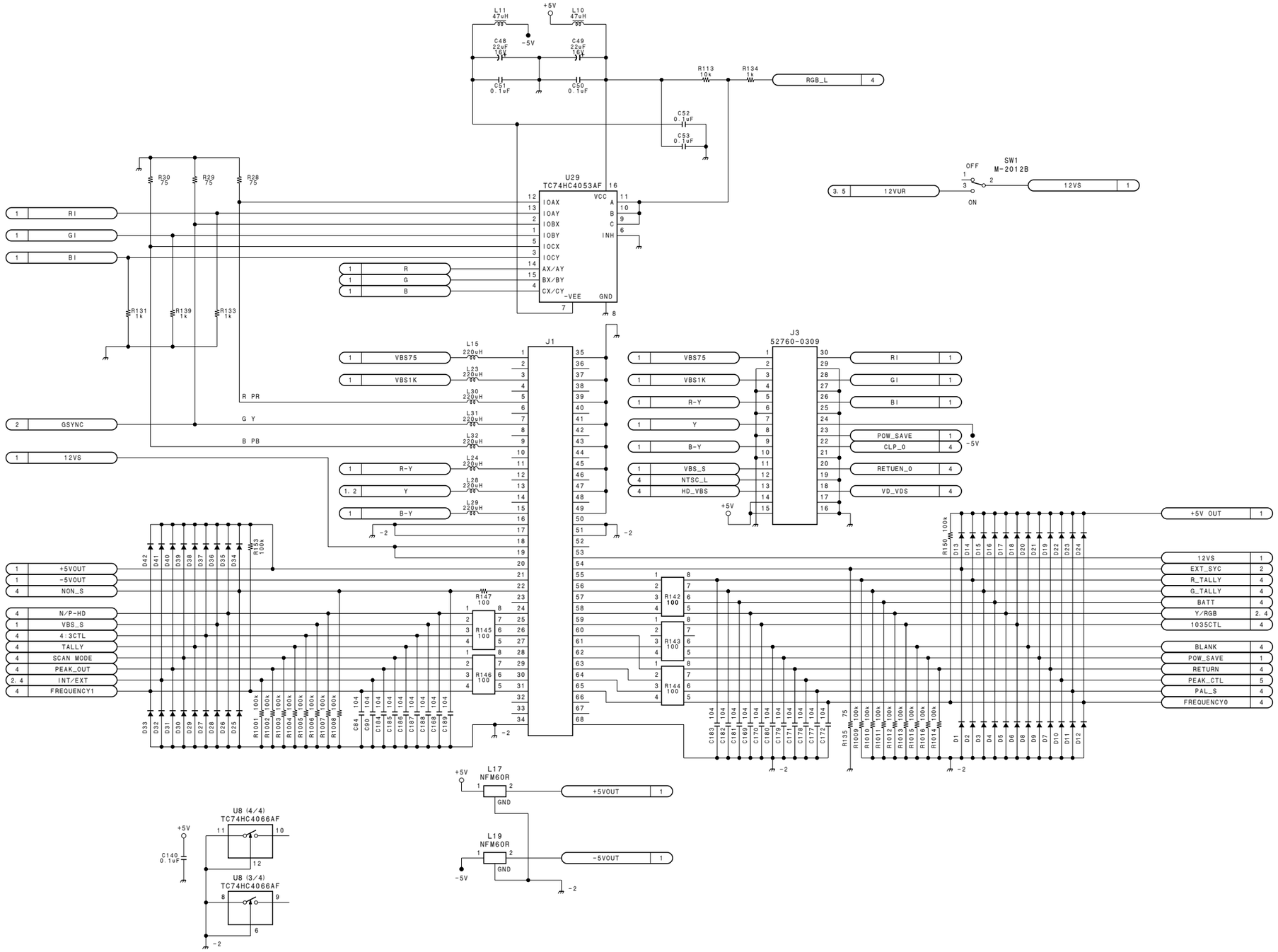
RE-183
BOARD NO. 1-676-223-11, 12
LOT NO. 911-

DPR-158 (1/6)



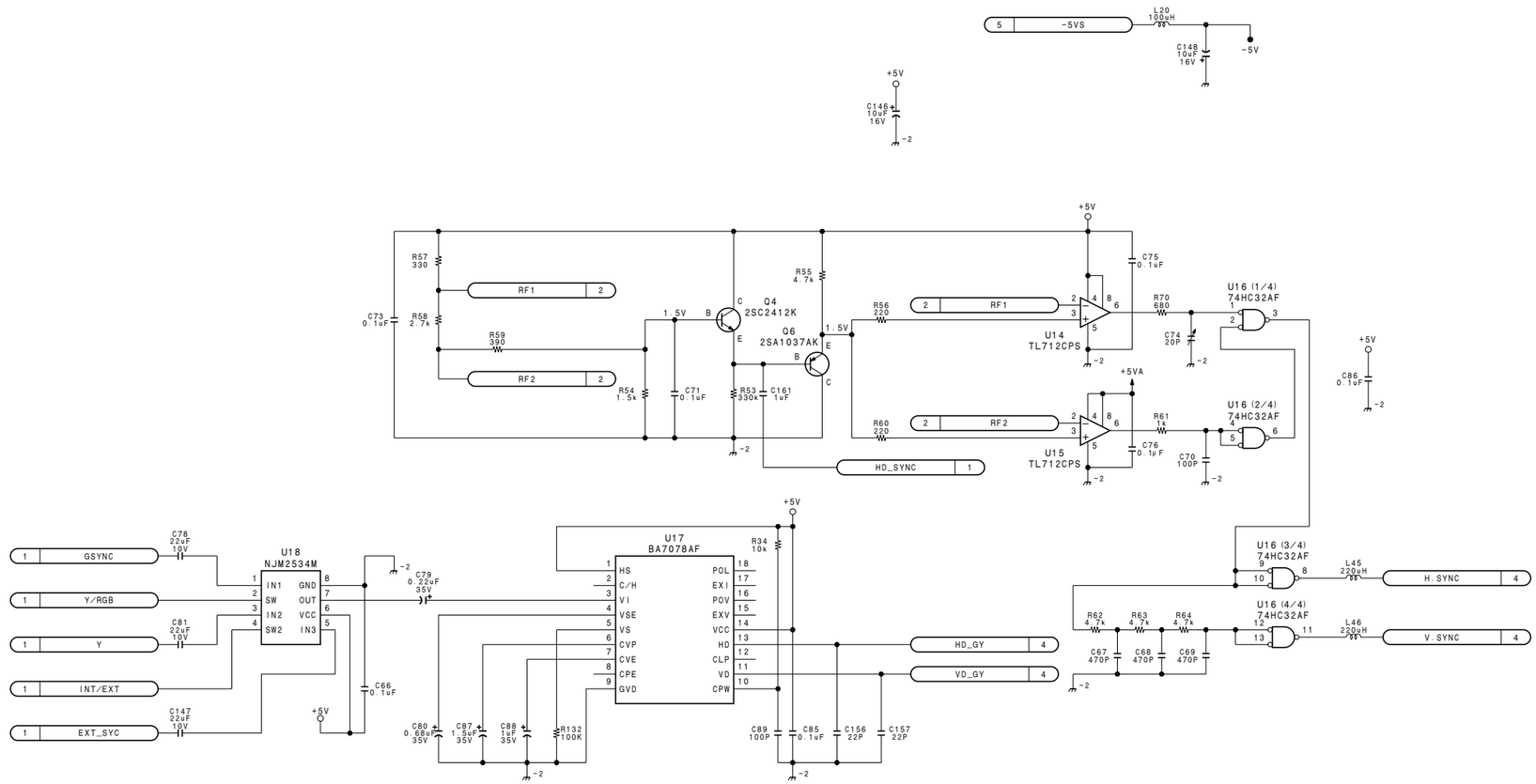
6-4 (b)

6-4 (b)



DPR-158 (1/6)
BOARD NO. 1-676-222-12
LOT NO. 005-

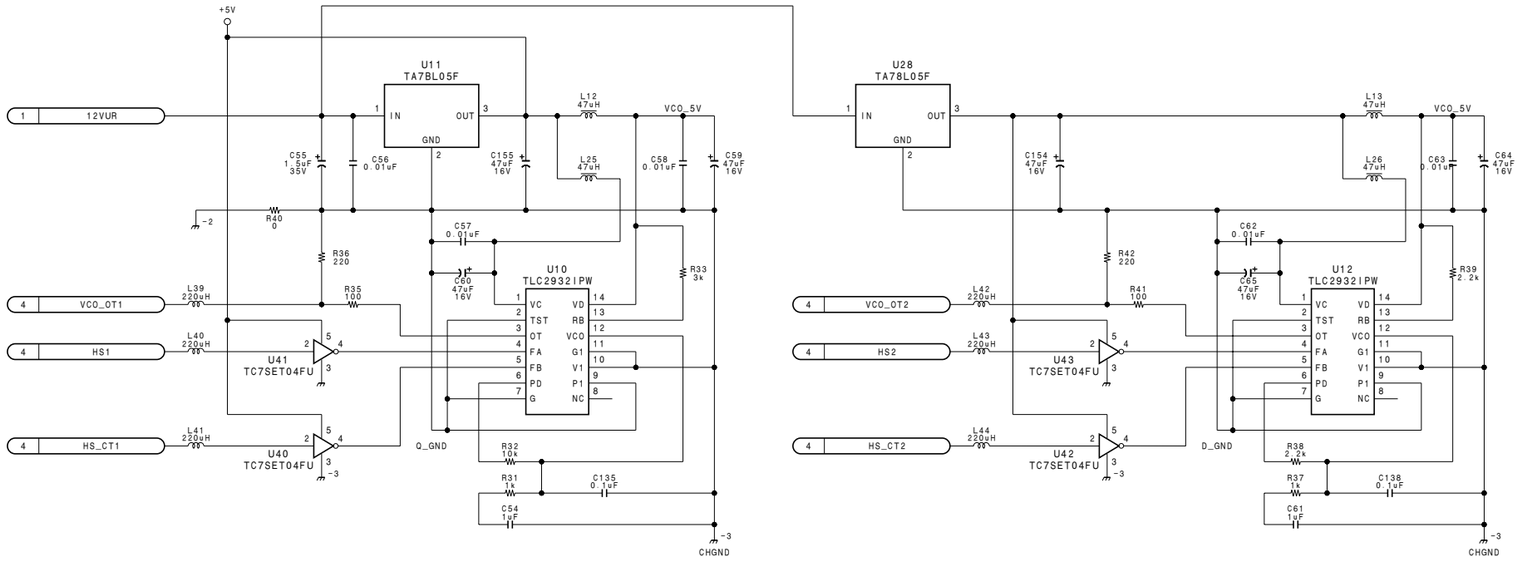
DPR-158 (2/6)



DPR-158 (2/6)

BOARD NO. 1-676-222-12
LOT NO. 005-

DPR-158 (3/6)



DPR-158 (3/6)
BOARD NO. 1-676-222-12
LOT NO. 005-

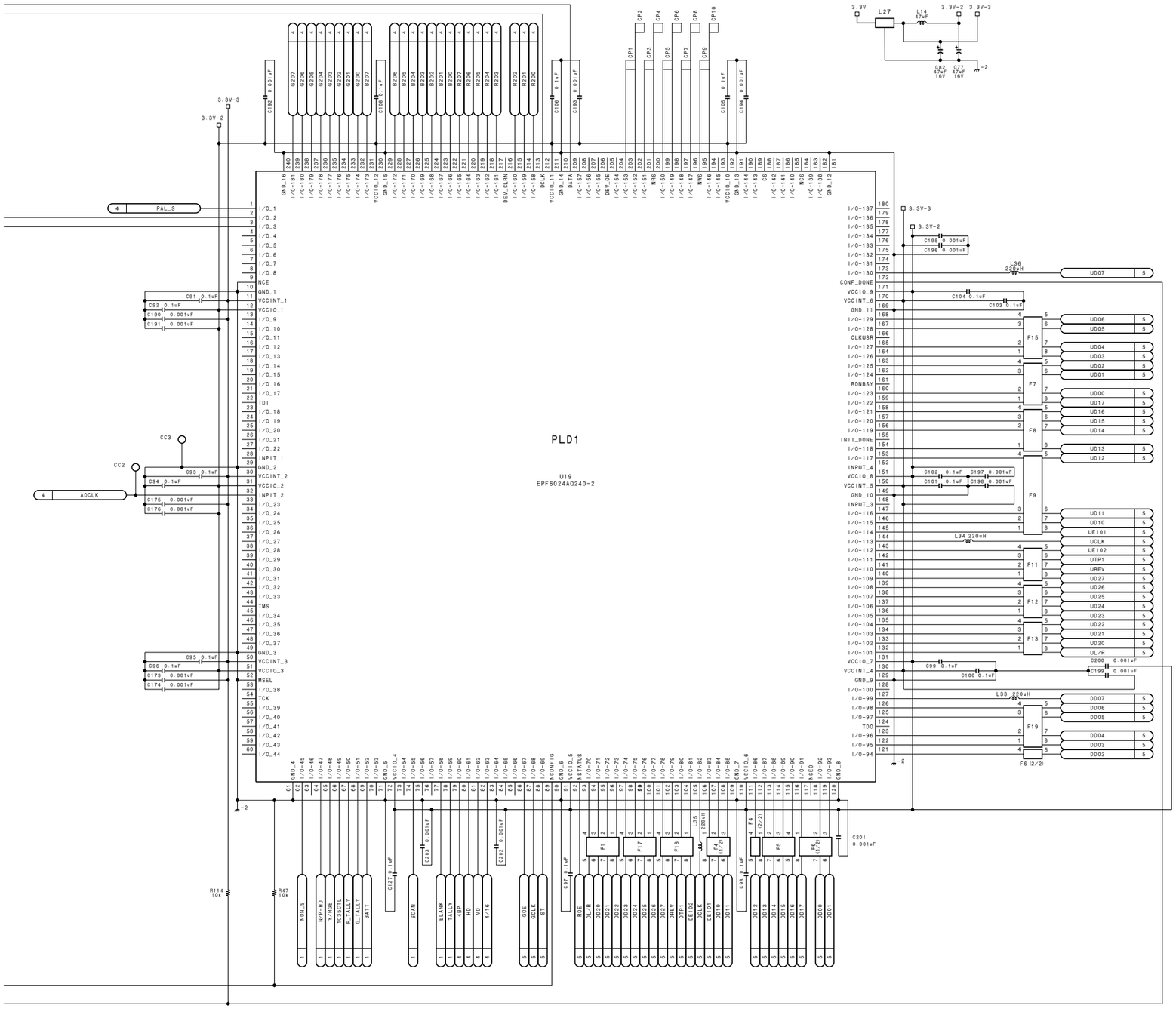
DPR-158 (4/6)

PLD2

U20
EPF6024AQ240-2

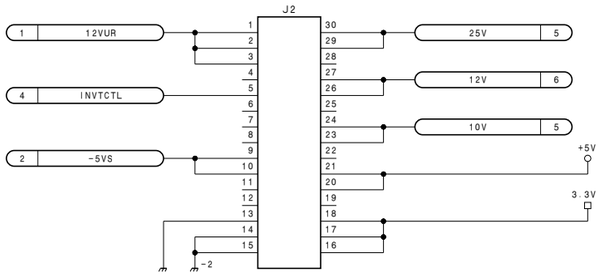
6-8 (b)

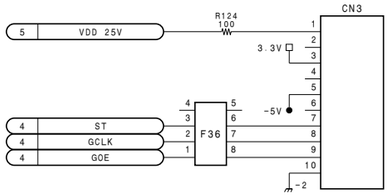
DPR-158 (4/6)

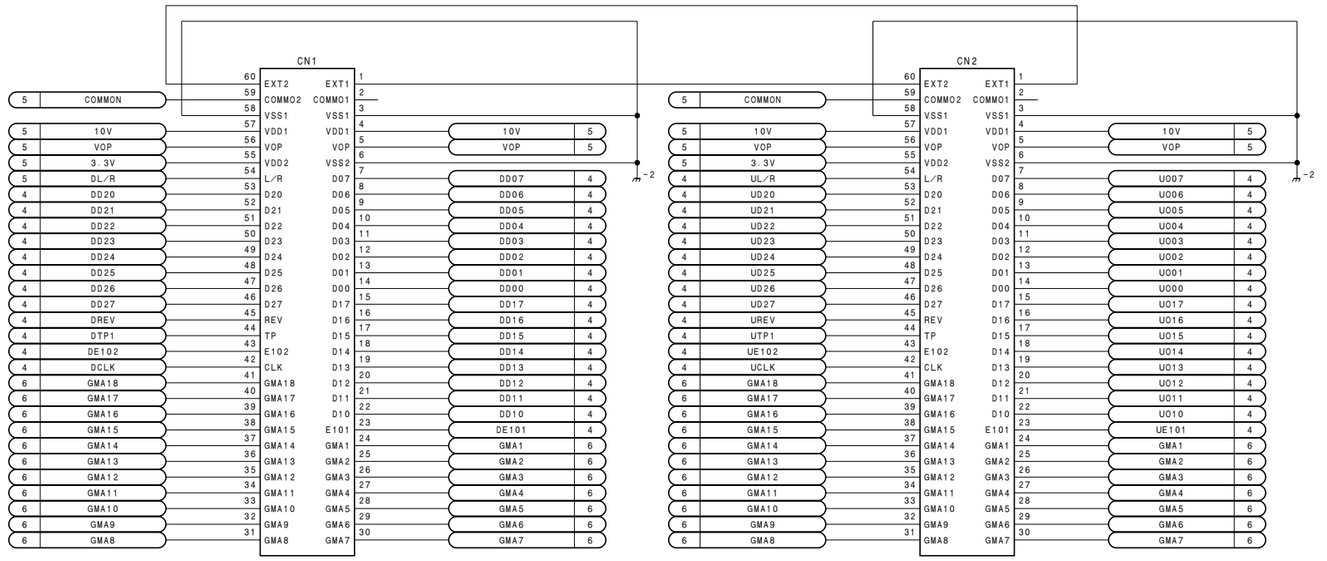


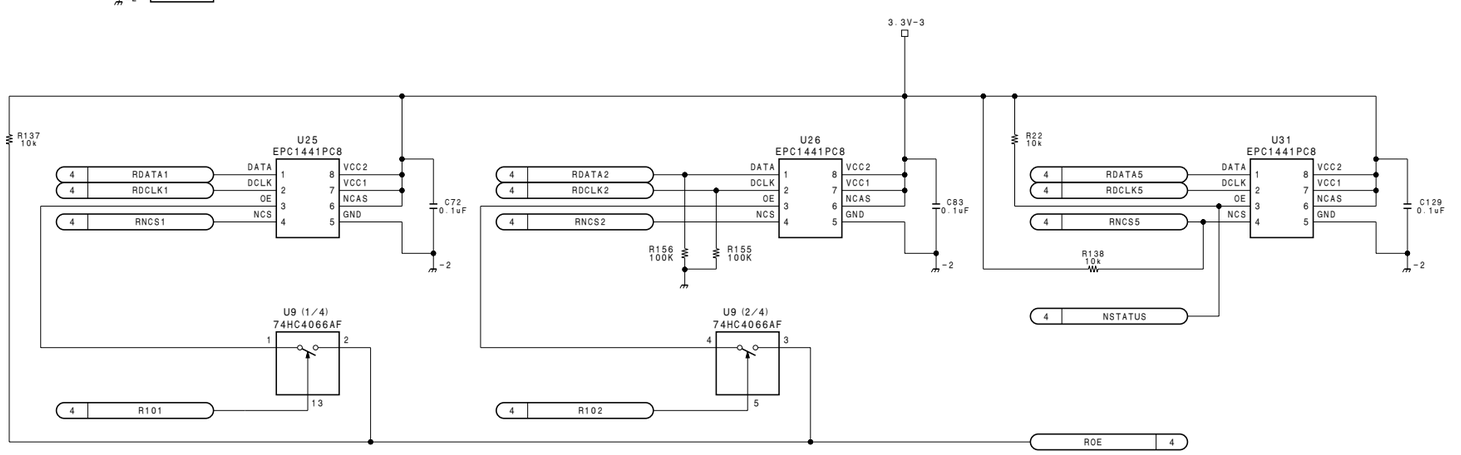
DPR-158 (4/6)
BOARD NO. 1-676-222-12
LOT NO. 005-

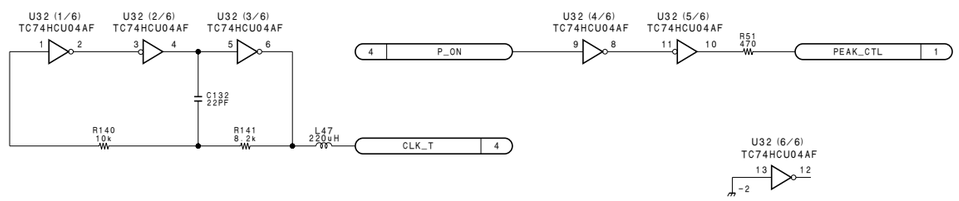
DPR-158 (5/6)

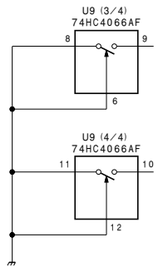










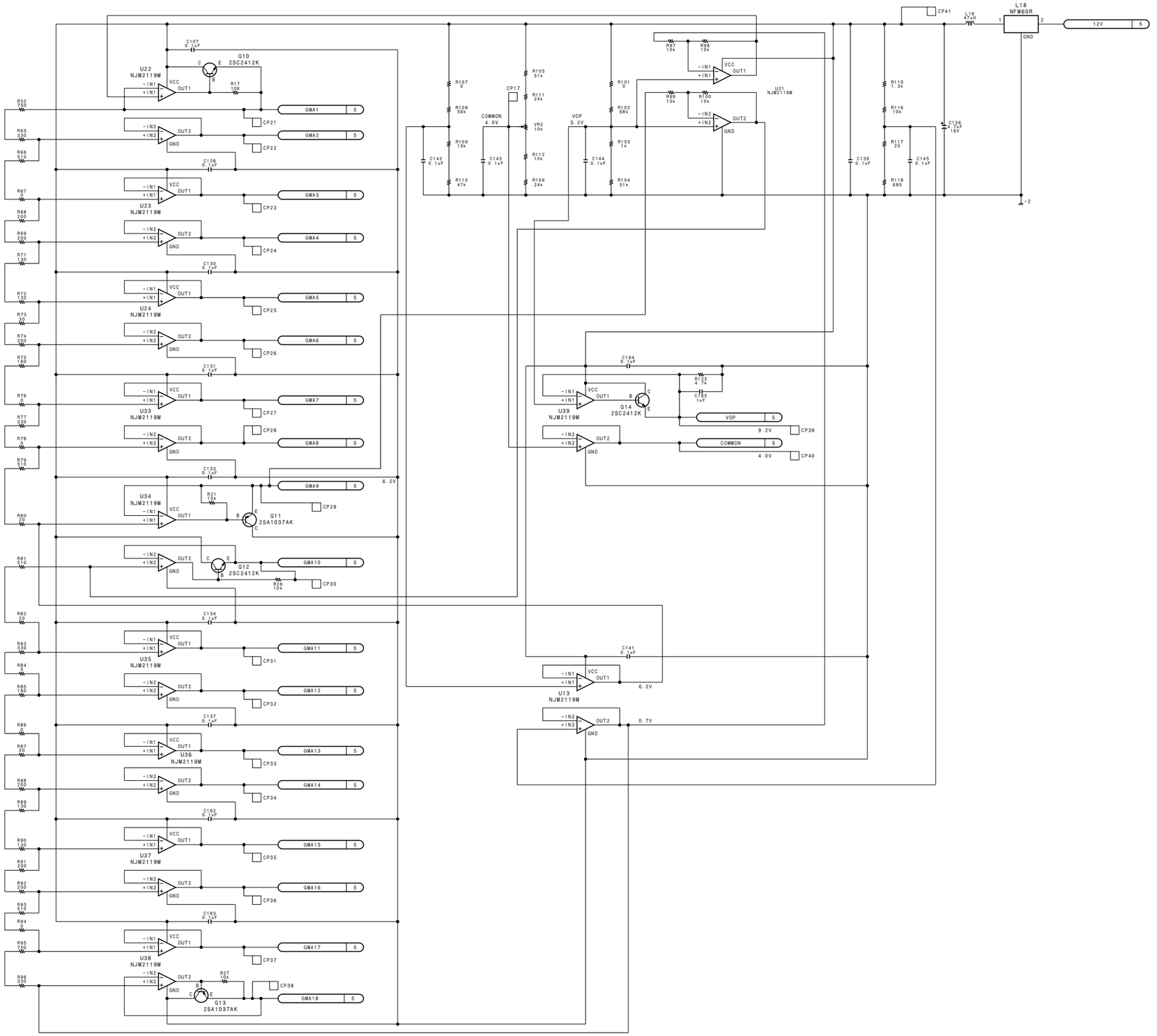


DPR-158 (5/6)

BOARD NO. 1-676-222-12
LOT NO. 005-

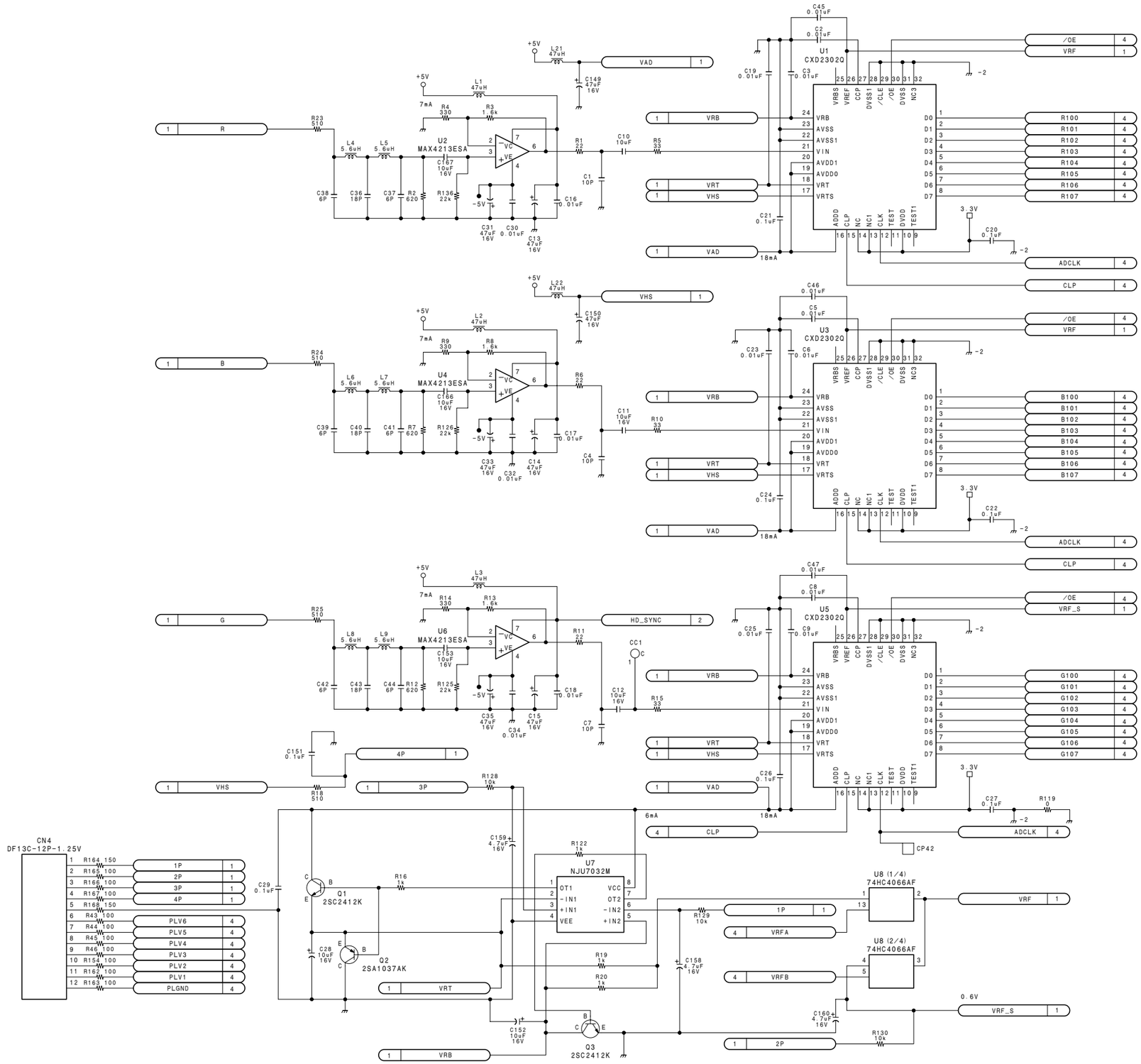
6-10 (b)

6-10 (b)



DPR-158 (6/6)
BOARD NO. 1-676-222-12
LOT NO. 005-

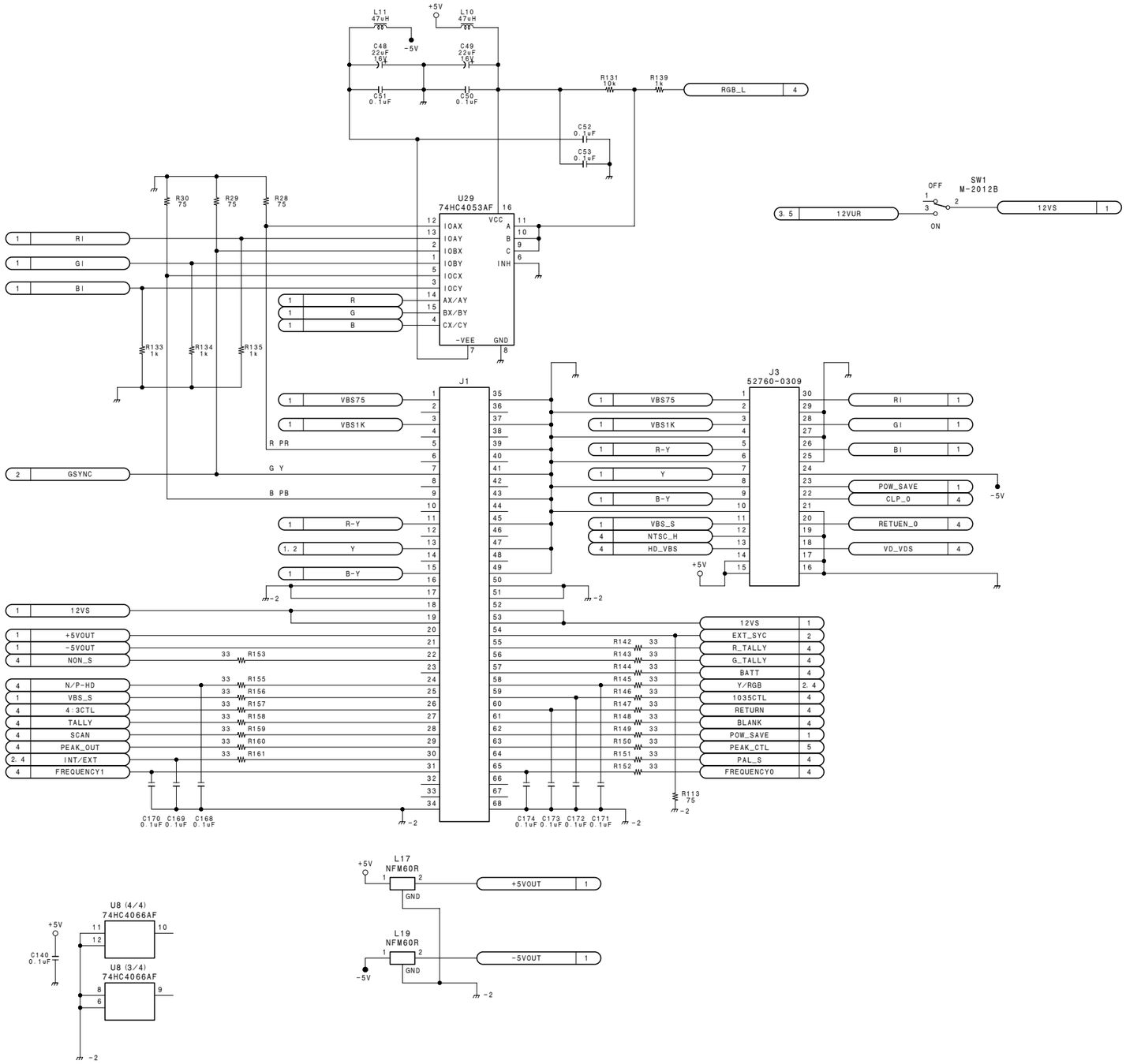
DPR-158 (1/6)



6-4 (a)

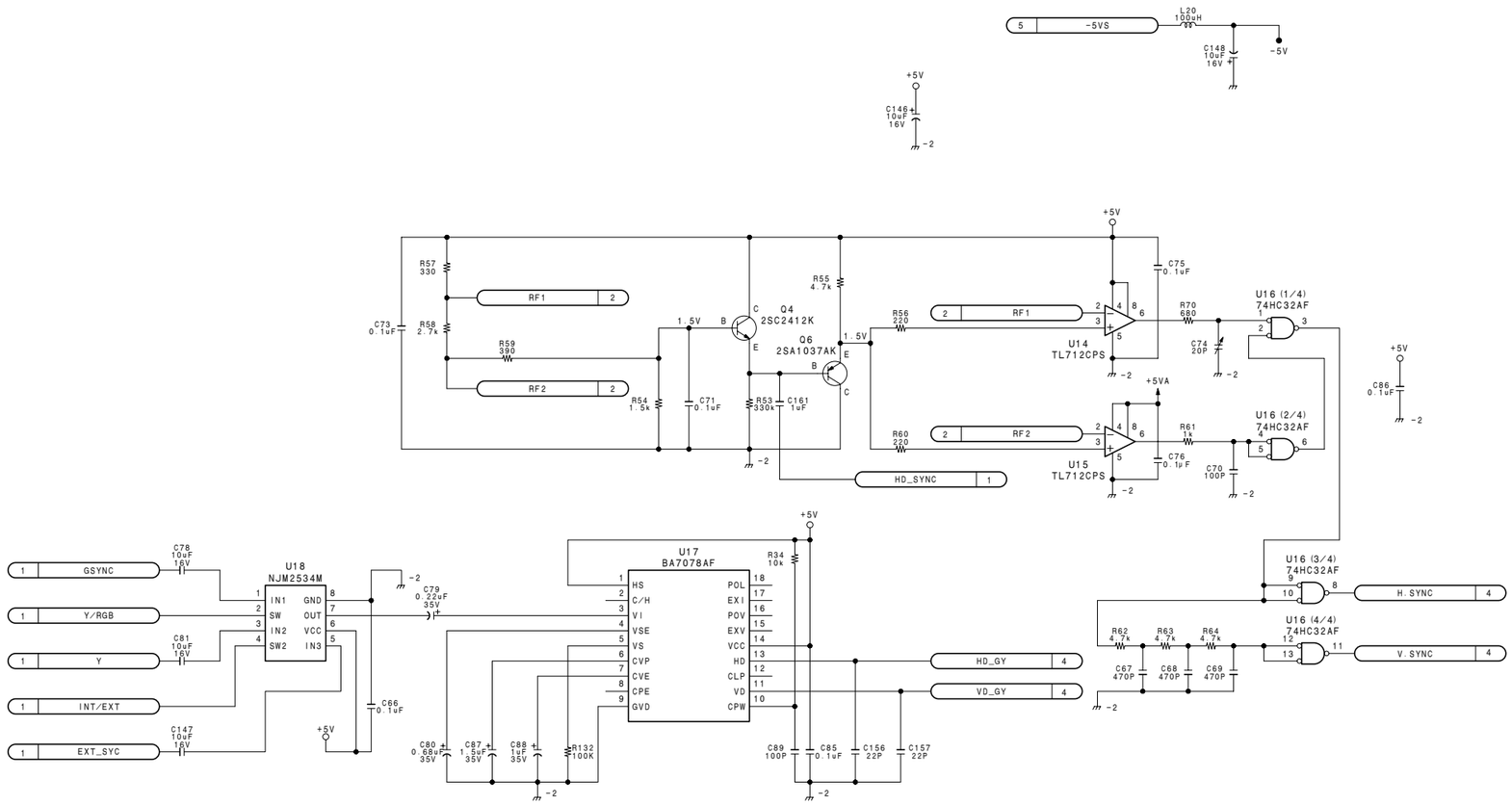
6-4 (a)

DPR-158 (1/6)



DPR-158 (1/6)
BOARD NO. 1-676-222-11
LOT NO. 911-004

DPR-158 (2/6)

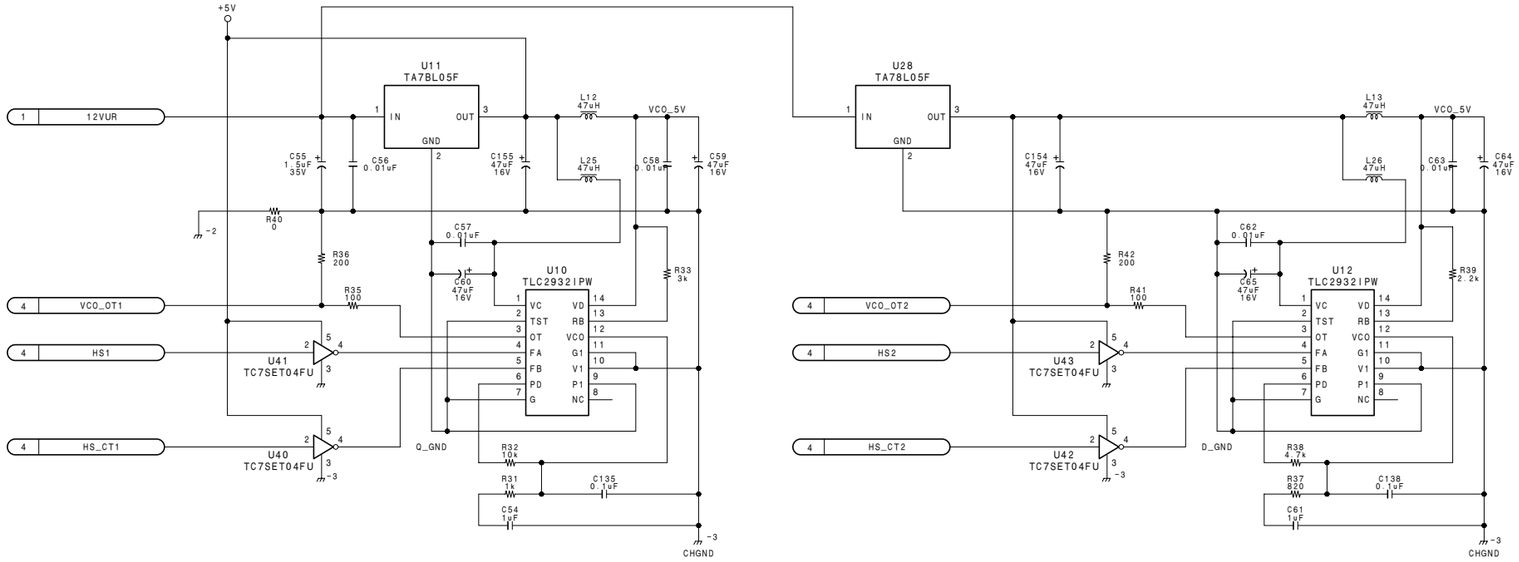


DPR-158 (2/6)
BOARD NO. 1-676-222-11
LOT NO. 911-004

6-6 (a) 6-6 (a)

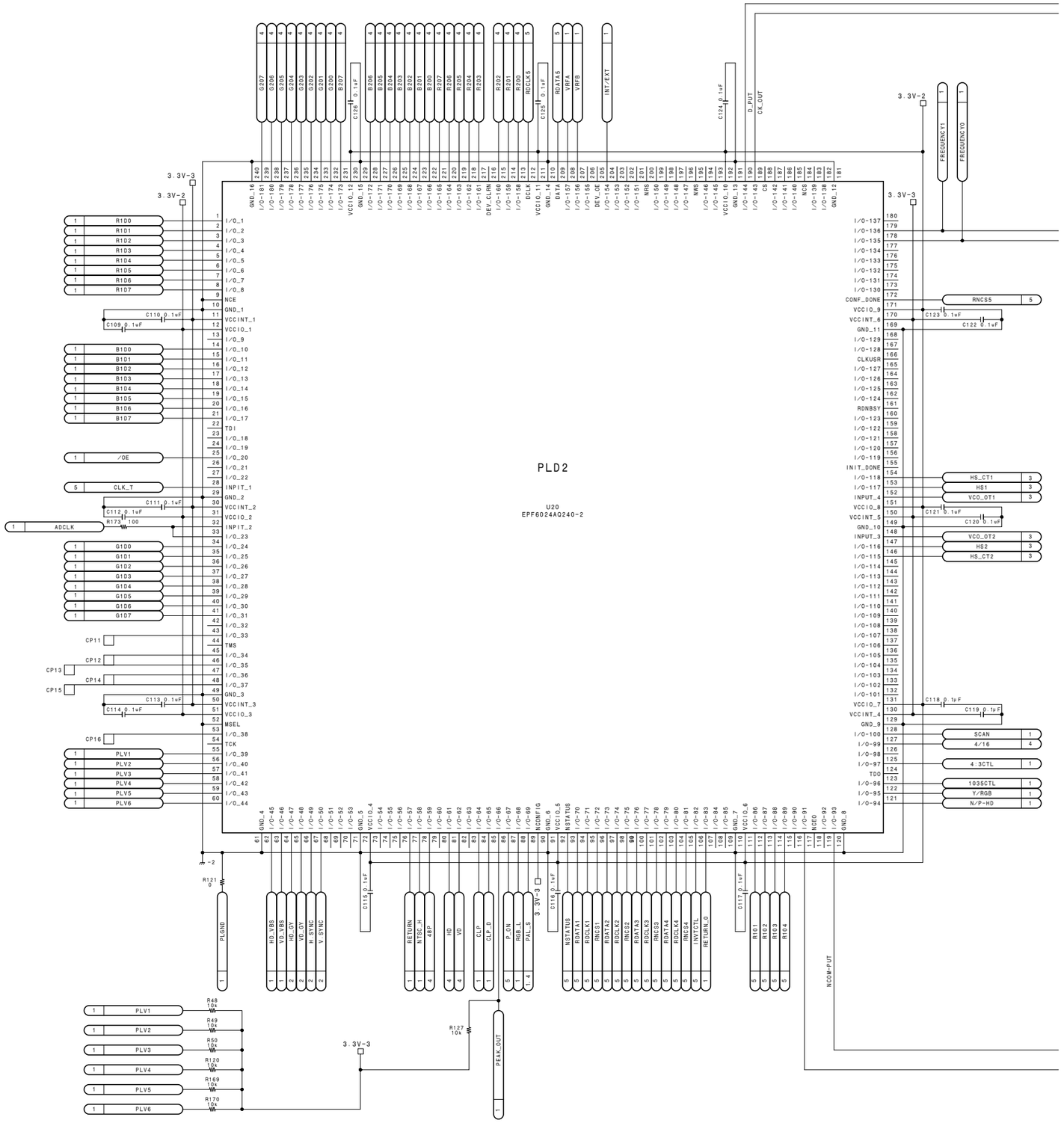
HDVF-C750W/C700W

DPR-158 (3/6)



DPR-158 (3/6)
BOARD NO. 1-676-222-11
LOT NO. 911-004

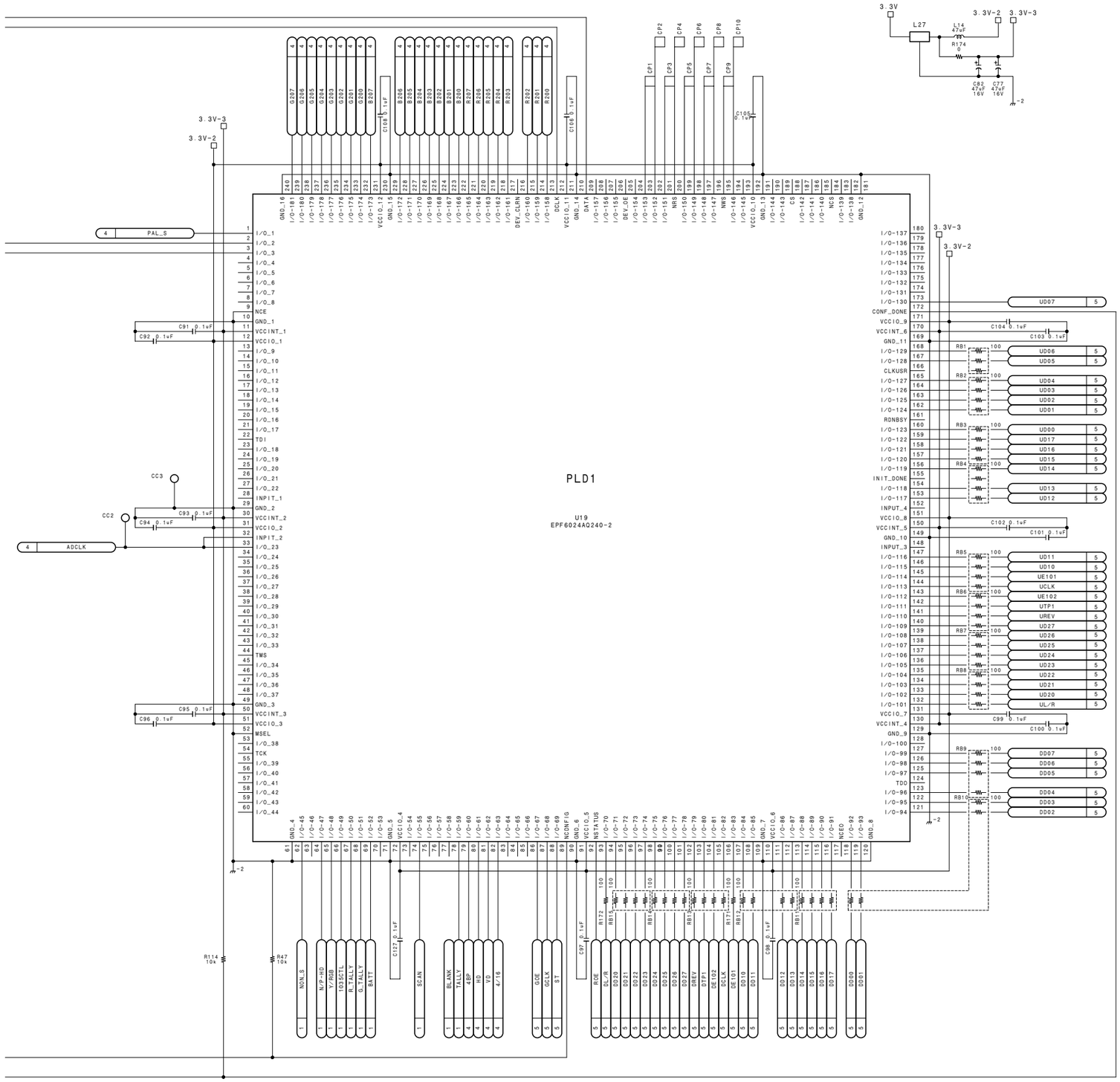
DPR-158 (4/6)



6-8 (a) 6-8 (a)

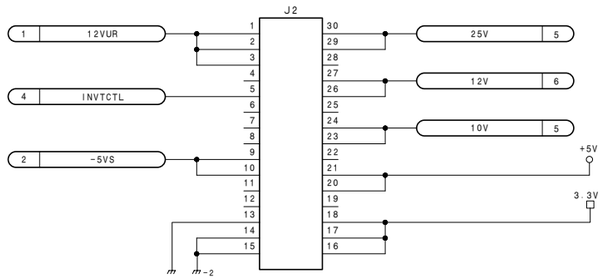
HDVF-C750W/C700W

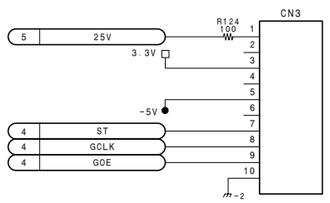
DPR-158 (4/6)

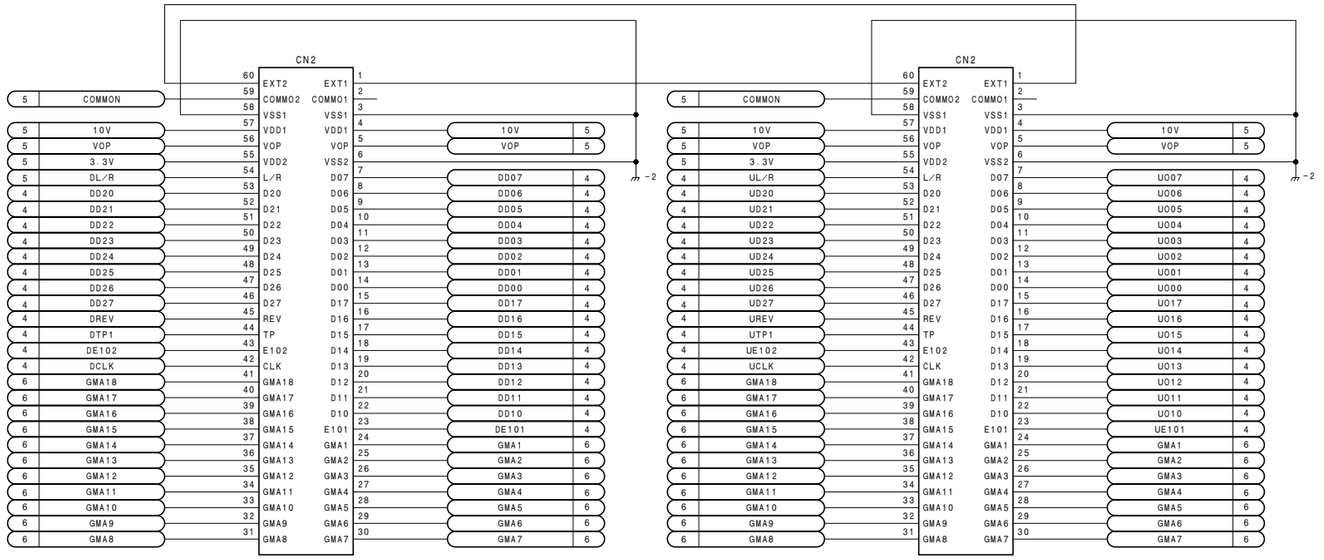


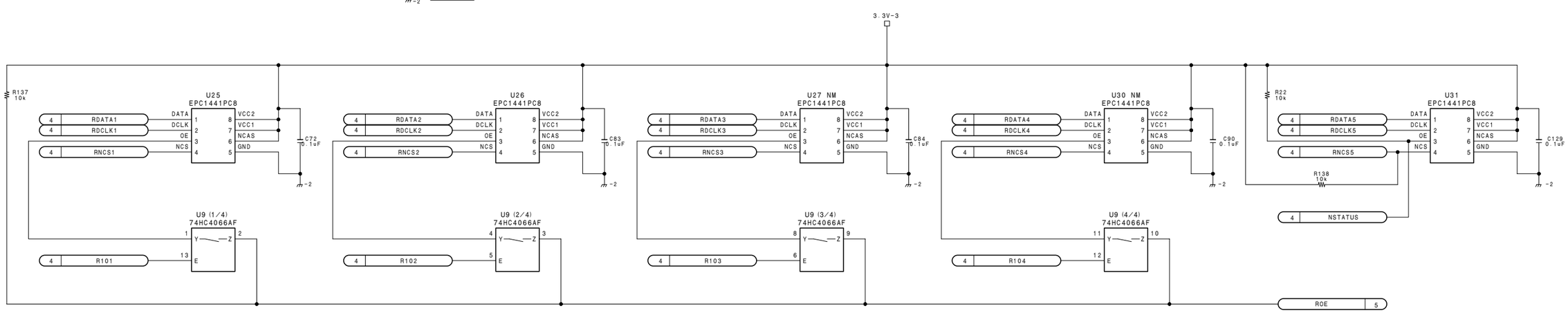
DPR-158 (4/6)
BOARD NO. 1-676-222-11
LOT NO. 911-004

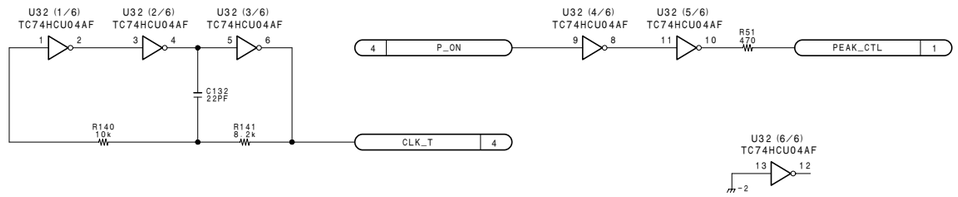
DPR-158 (5/6)







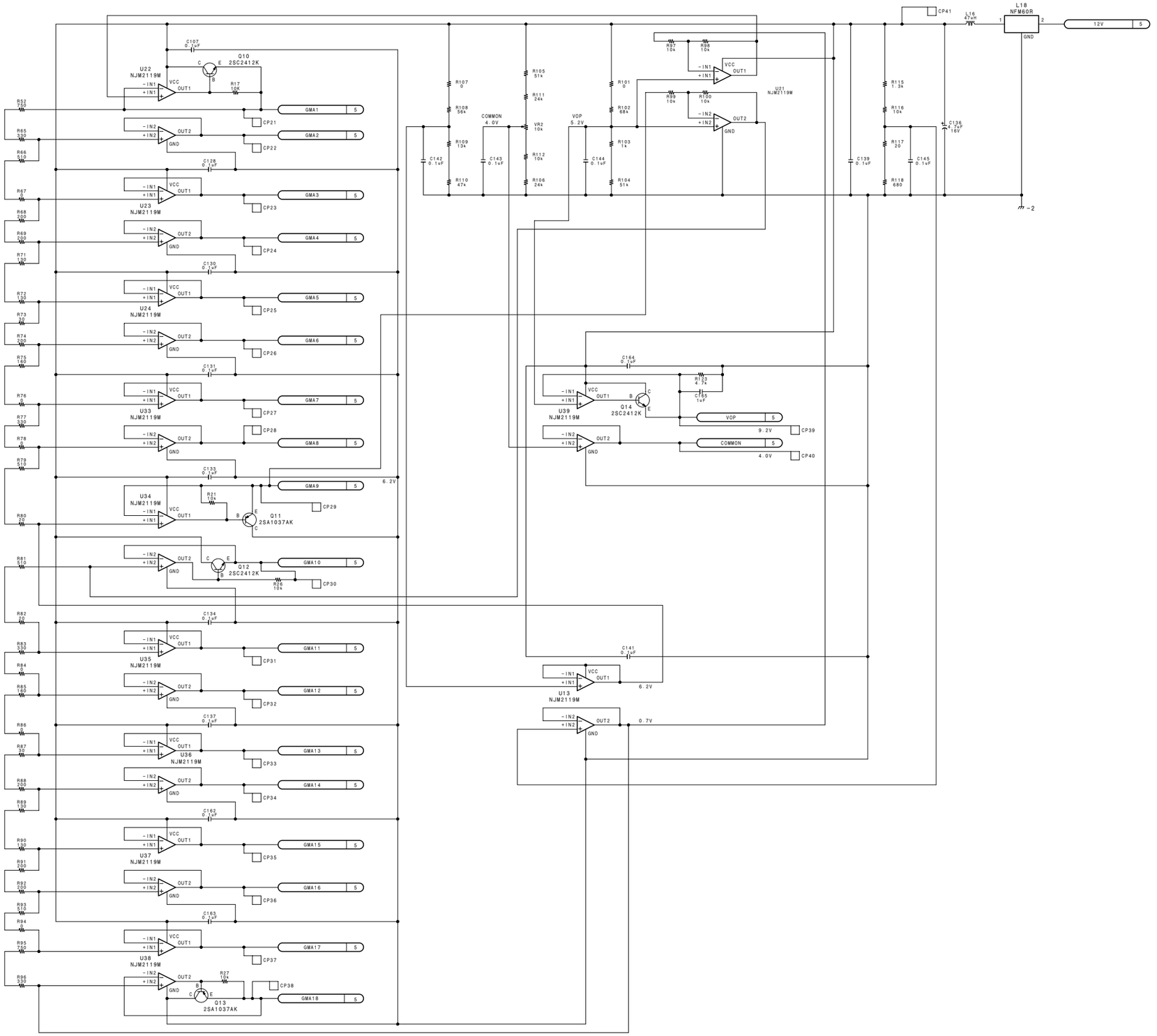




DPR-158 (5/6)
BOARD NO. 1-676-222-11
LOT NO. 911-004

6-10 (a)

DPR-158 (6/6)



DPR-158 (6/6)
BOARD NO. 1-676-222-11
LOT NO. 911-004

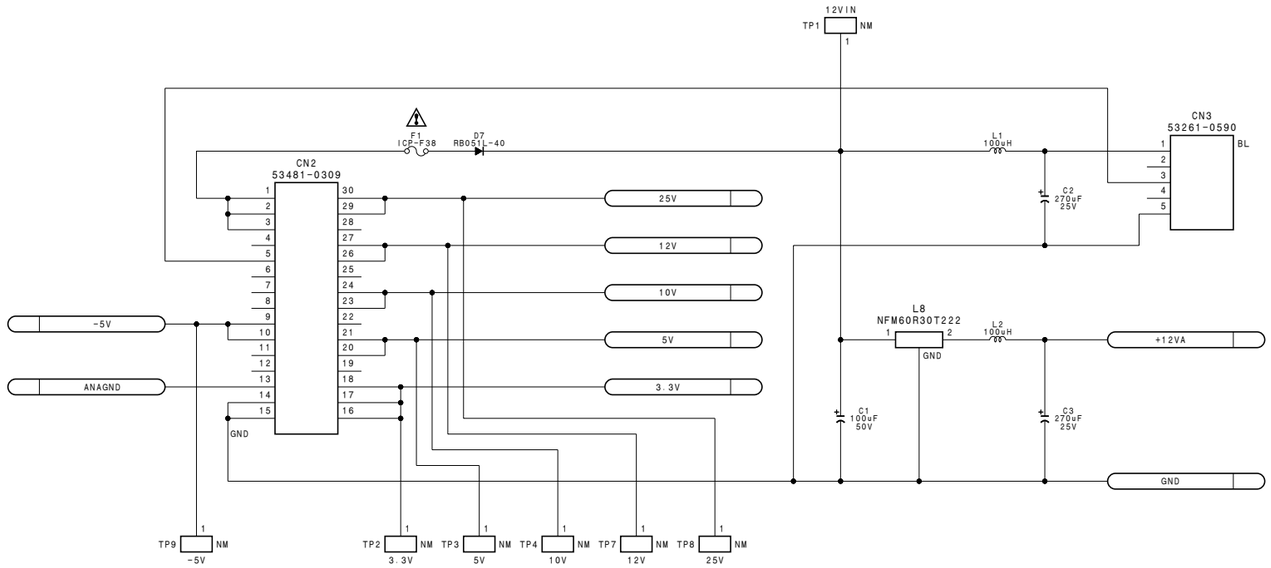
HDVF-C750W/C700W

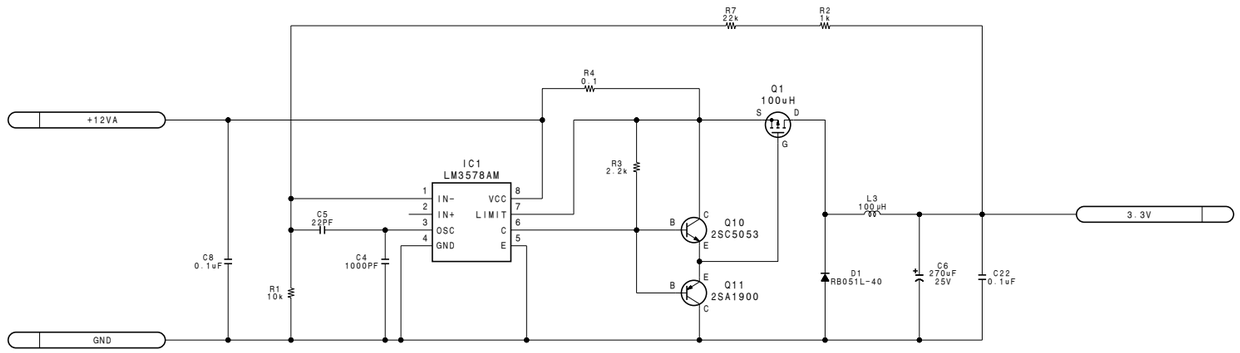
6-11 (a)

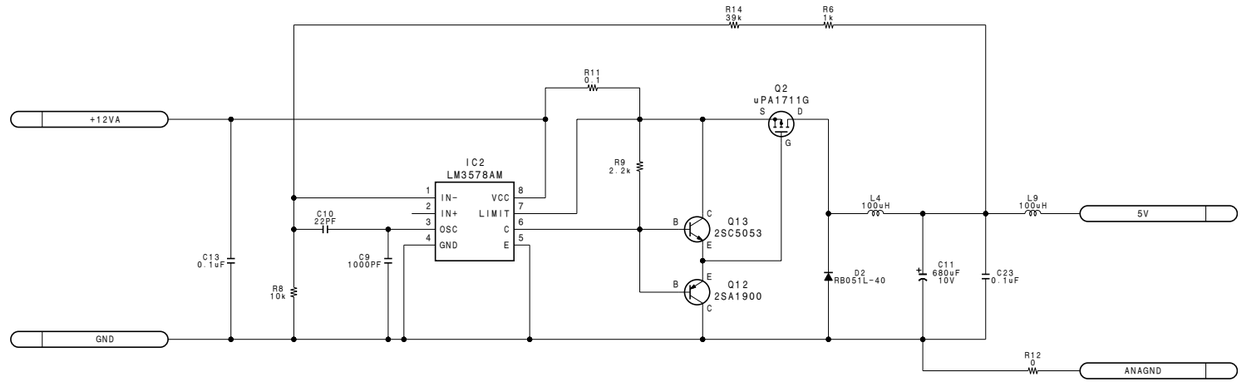
6-11 (a)

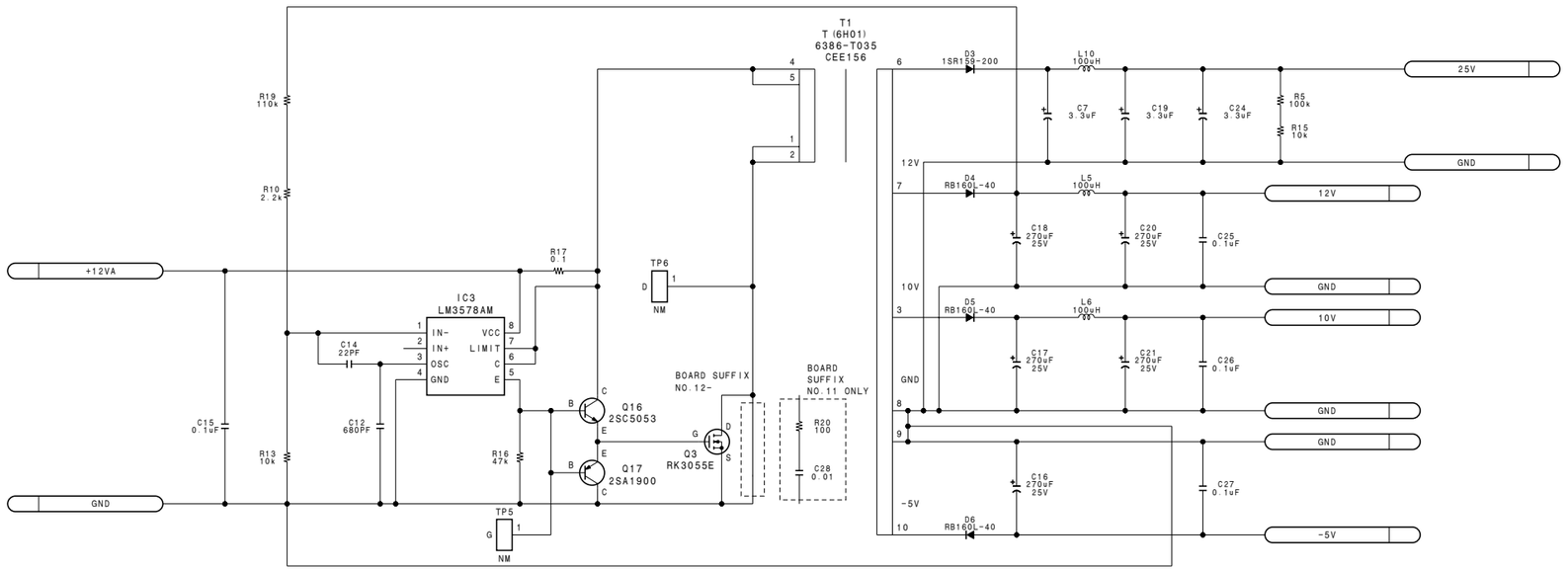
A B C D E F G H

1 2 3 4 5

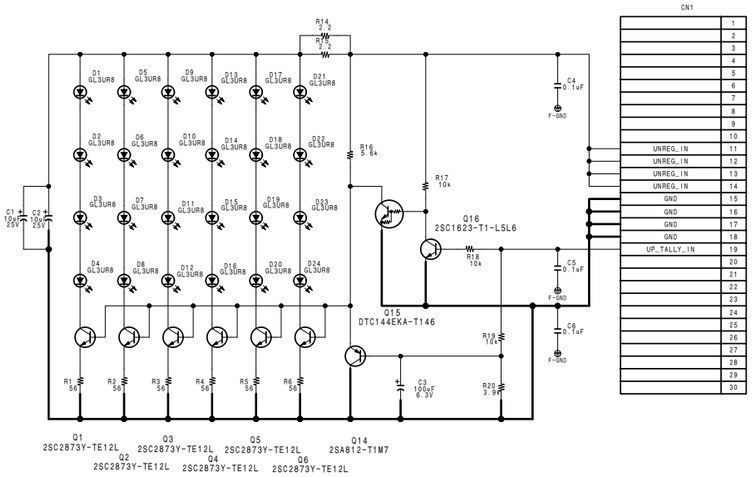

12VIN
TP1 NM
F1
ICP-F38
D7
RB051L-40
L1
100uH
CN3
53261-0590
BL
CN2
53481-0309
C2
270uF
25V
25V
12V
10V
5V
3.3V
-5V
ANAGND
GND
L8
NFM60R30T222
L2
100uH
+12VA
C1
100uF
50V
C3
270uF
25V
GND
TP9 NM -5V
TP2 NM 3.3V
TP3 NM 5V
TP4 NM 10V
TP7 NM 12V
TP8 NM 25V

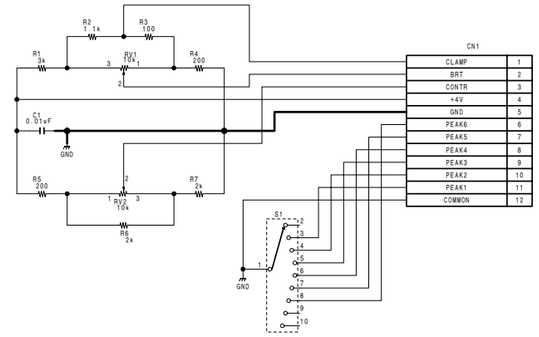

R7
22k
R2
1k
R4
0.1
Q1
100uH
+12VA
IC1
LM3578AM
IN-
IN+
OSC
GND
VCC
LIMIT
C
E
R3
2.2k
C5
22PF
C4
1000PF
C8
0.1uF
R1
10k
Q10
2SC5053
Q11
2SA1900
L3
100uH
3.3V
D1
RB051L-40
C6
270uF
25V
C22
0.1uF
GND





PS-580
BOARD NO. 1-676-224-11, 12
LOT NO. 911-



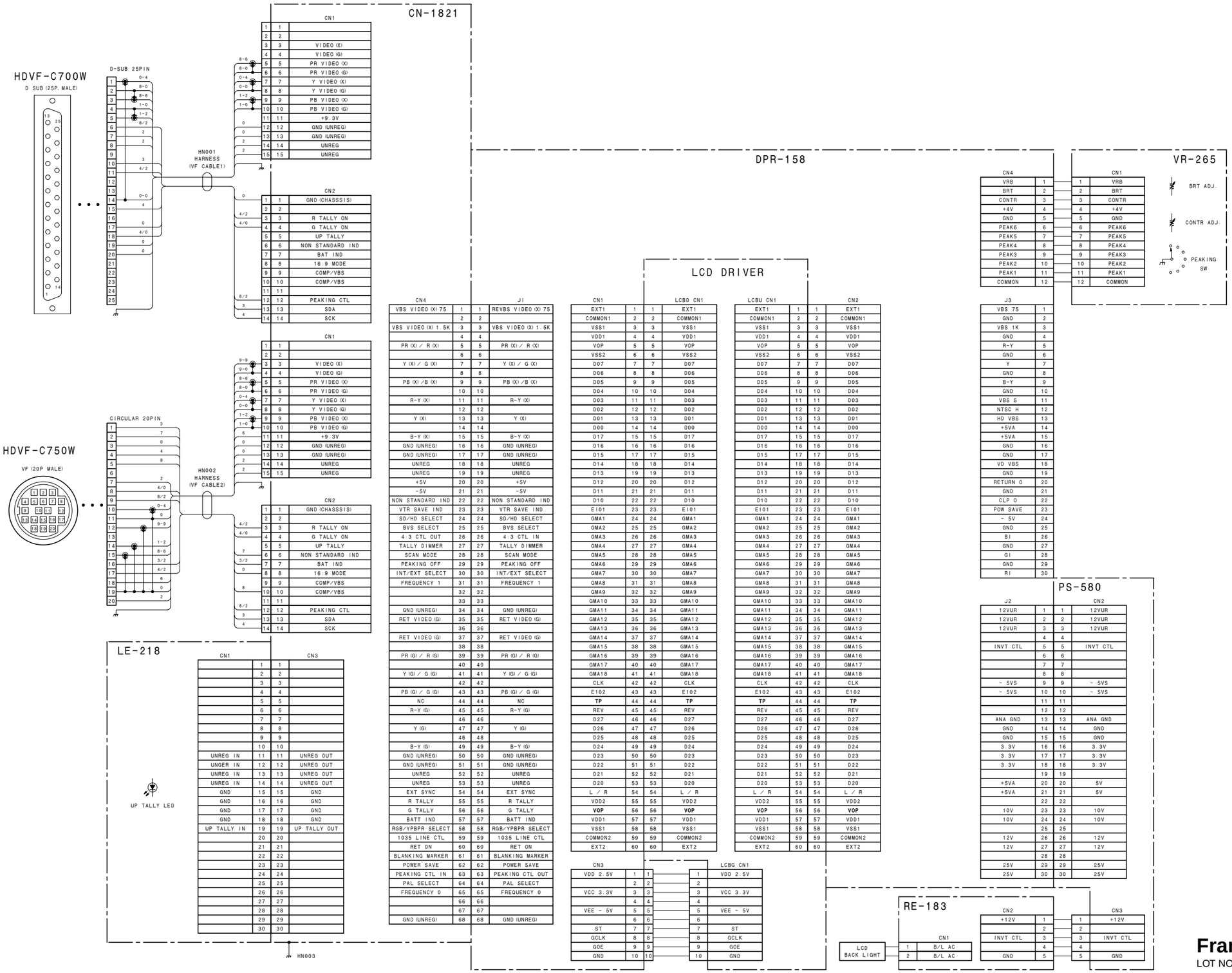


LE-218

BOARD NO. 1-676-227-11
LOT NO. 911-
HDVFC750W_LE-218_011_1

VR-265

BOARD NO. 1-676-228-11
LOT NO. 911-
HDVFC750W_VR-265_011_1

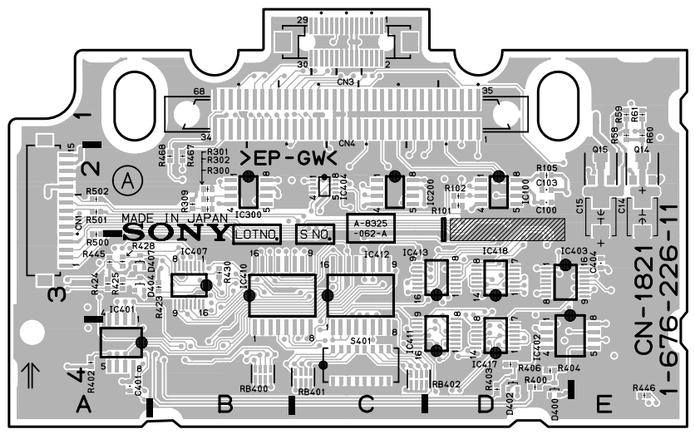


Frame Wiring
LOT NO. 911-

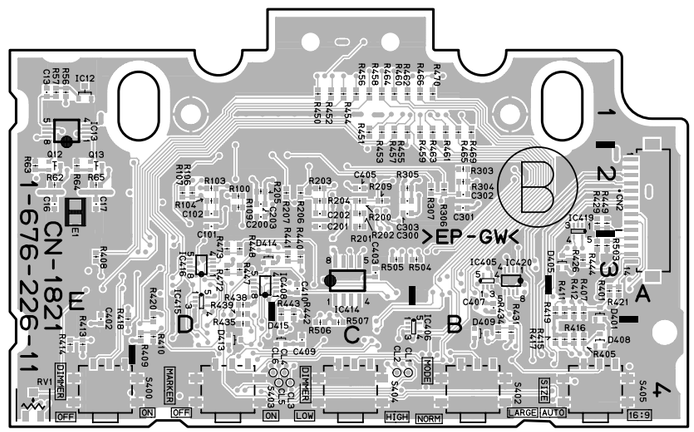
Section 7
Board Layouts

CN-1821 (1-676-226-11)

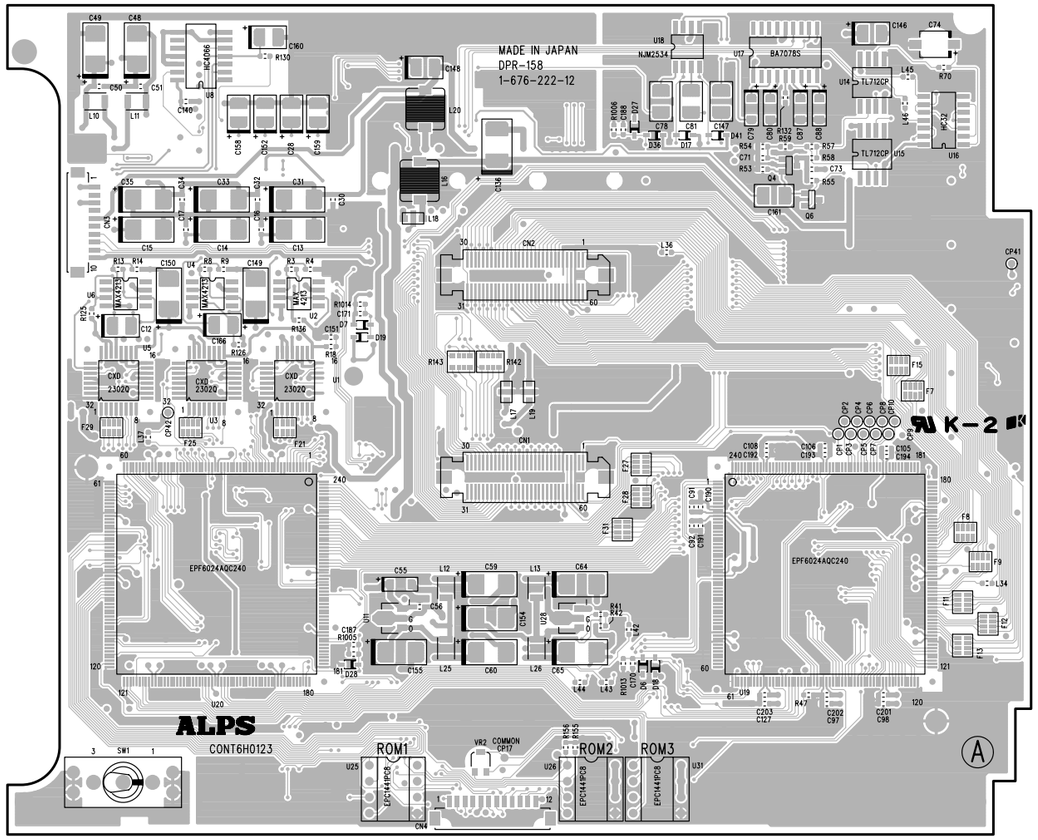
C13	*E1	R62	*E2	R463	*B1
C14	E2	R63	*E2	R464	*C1
C15	E2	R64	*E2	R465	*B1
C16	*E2	R65	*E2	R466	*B1
C17	*E2	R100	*D2	R467	B2
C100	D2	R101	D2	R468	B2
C101	*D2	R102	D2	R469	*B1
C102	*D2	R103	*D2	R470	*B1
C103	D2	R104	*D2	R472	*D3
C200	*D2	R105	D2	R473	*D3
C201	*C2	R106	*D2	R500	A3
C202	*C2	R107	*D2	R501	A2
C203	*D2	R109	*D2	R502	A2
C300	*C2	R200	*C2	R503	*A3
C301	*B2	R201	*C2	R504	*B3
C302	*B2	R202	*C2	R505	*C3
C303	*C2	R203	*C2	R506	*C4
C401	A4	R204	*C2	R507	*C4
C402	*E3	R205	*D2		
C403	*C3	R206	*C2	RB400	B4
C404	E3	R207	*C2	RB401	C4
C405	*C2	R209	*C2	RB402	C4
C407	*B3	R300	B2		
C409	*C4	R301	B2	RV1	*E4
C410	*C3	R302	B2		
		R303	*B2	S400	*E4
CL1	*C4	R304	*B2	S401	C4
CL2	*C4	R305	*C2	S402	*B4
CL3	*C4	R306	*B2	S403	*D4
CL4	*C4	R307	*B2	S404	*C4
CL5	*C4	R309	B2	S405	*A4
CL6	*C4	R400	D4		
		R401	*A3	*:B SIDE	
CN1	A2	R402	A4		
CN2	*A2	R403	D4		
CN3	C1	R404	D4		
CN4	C1	R405	*A4		
		R406	D4		
D400	D4	R407	*A3		
D401	*A3	R408	*E3		
D402	D4	R409	*D4		
D404	A3	R410	*D4		
D405	*A3	R411	*A3		
D407	A3	R412	*A3		
D408	*A4	R413	*E4		
D409	*B4	R414	*E4		
D413	*D4	R415	*A4		
D414	*D3	R416	*A4		
D415	*C4	R417	*A4		
		R418	*E3		
E1	*E2	R419	*A3		
		R420	*D3		
IC12	*E1	R421	*A3		
IC13	*E1	R423	B3		
IC100	D2	R424	A3		
IC200	C2	R425	A3		
IC300	B2	R426	*A3		
IC401	A3	R428	A3		
IC402	D4	R429	*A2		
IC403	D3	R430	B3		
IC404	C2	R431	*B4		
IC405	*B3	R434	*B4		
IC406	*B4	R435	*D4		
IC407	B3	R438	*D3		
IC408	*D3	R439	*D3		
IC410	B4	R440	*C3		
IC411	D4	R441	*C3		
IC412	C4	R442	*C3		
IC413	D3	R443	*C3		
IC414	*C3	R444	*A3		
IC415	*D3	R445	A3		
IC416	*D3	R446	E4		
IC417	D4	R447	*D3		
IC418	D3	R448	*D3		
IC419	*A2	R449	*A2		
IC420	*B3	R450	*C1		
		R451	*C1		
Q12	*E2	R452	*C1		
Q13	*E2	R453	*C1		
Q14	E2	R454	*C1		
Q15	E2	R455	*C1		
		R456	*C1		
R56	*E1	R457	*C1		
R57	*E1	R458	*C1		
R58	E1	R459	*B1		
R59	E1	R460	*C1		
R60	E1	R461	*B1		
R61	E1	R462	*C1		



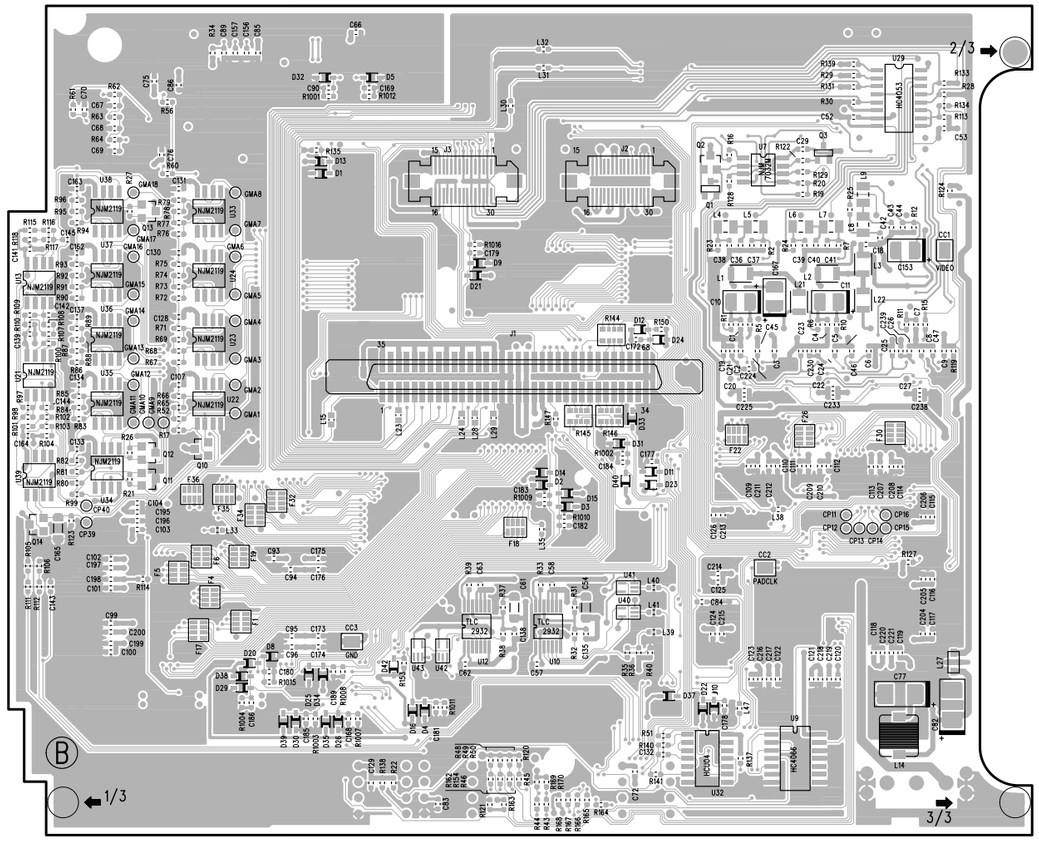
CN-1821 -A SIDE-
SUFFIX: -11



CN-1821 -B SIDE-
SUFFIX: -11



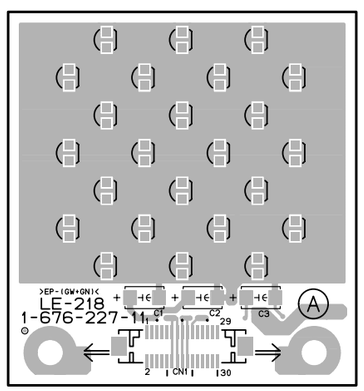
DPR-158 -A SIDE-
SUFFIX: -12



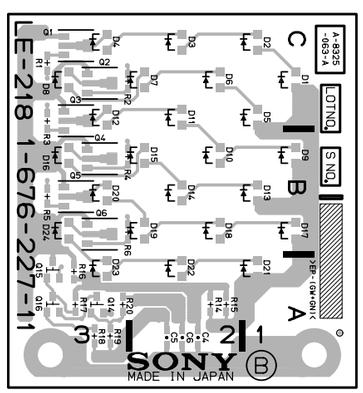
DPR-158 -B SIDE-
SUFFIX: -12

LE-218 (1-676-227-11)

C1	A2	D18	B2	R16	*A3
C2	A2	D19	B2	R17	*A3
C3	A3	D20	B3	R18	*A3
C4	*A2	D21	A1	R19	*A3
C5	*A2	D22	A2	R20	*A3
C6	*A2	D23	A3		
		D24	B3	*:B SIDE	
CN1	A2				
		Q1	*C3		
D1	C1	Q2	*C3		
D2	C1	Q3	*C3		
D3	C2	Q4	*B3		
D4	C3	Q5	*B3		
D5	C1	Q6	*B3		
D6	C2	Q14	*A3		
D7	C2	Q15	*A3		
D8	C3	Q16	*A3		
D9	B1				
D10	B2	R1	*C3		
D11	C2	R2	*C3		
D12	C3	R3	*C3		
D13	B1	R4	*B3		
D14	B2	R5	*B3		
D15	B2	R6	*B3		
D16	B3	R14	*A2		
D17	B1	R15	*A2		

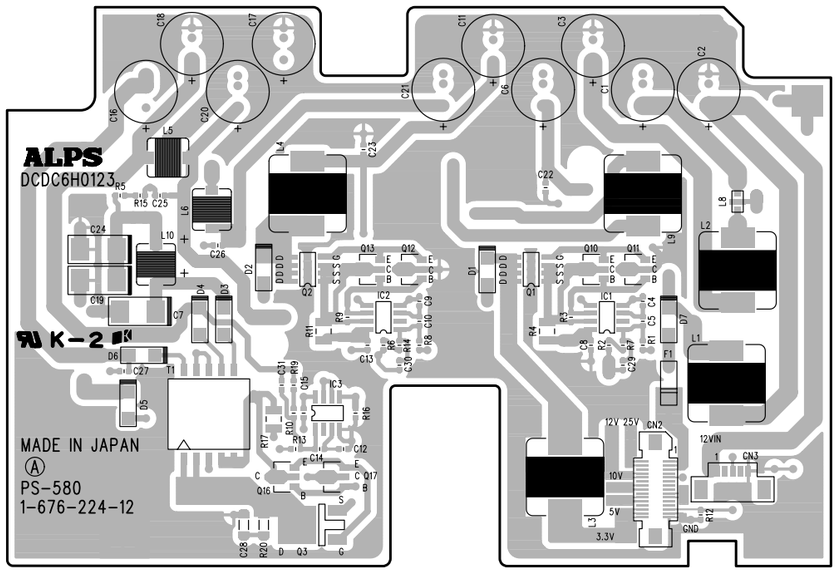


LE-218 -A SIDE-
SUFFIX: -11

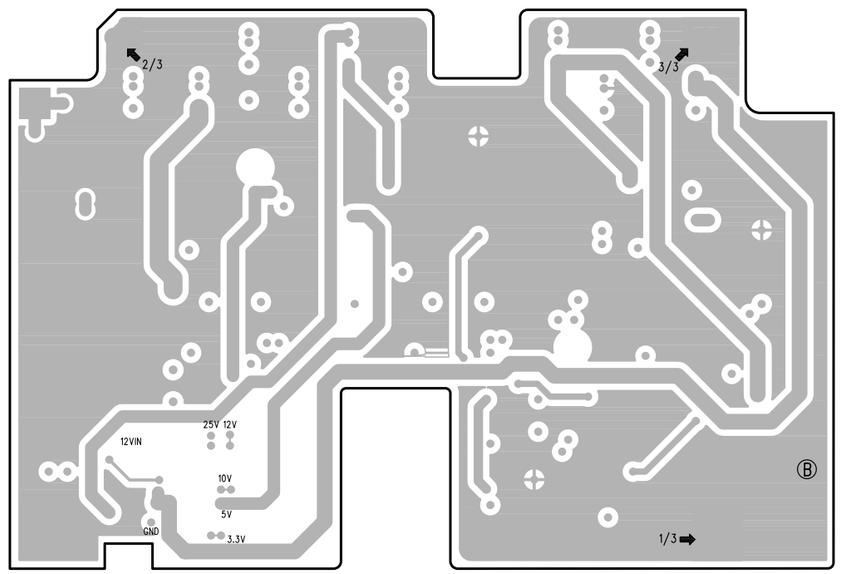


LE-218 -B SIDE-
SUFFIX: -11

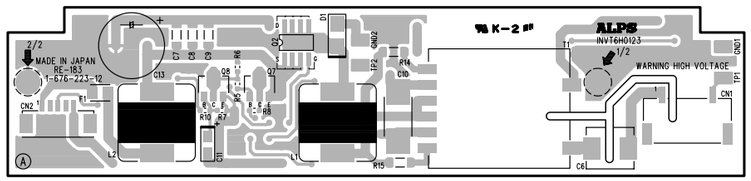
PS-580, RE-183, VR-265



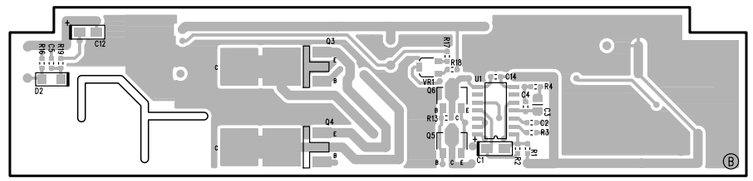
PS-580 -A SIDE-
SUFFIX: -12



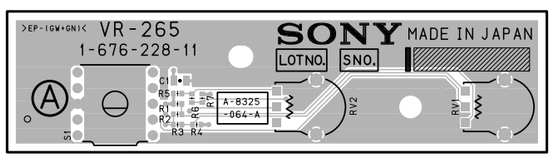
PS-580 -B SIDE-
SUFFIX: -12



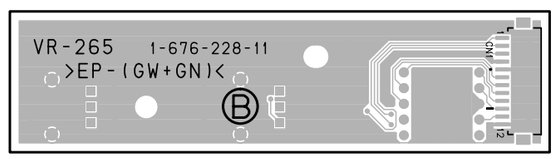
RE-183 -A SIDE-
SUFFIX: -12



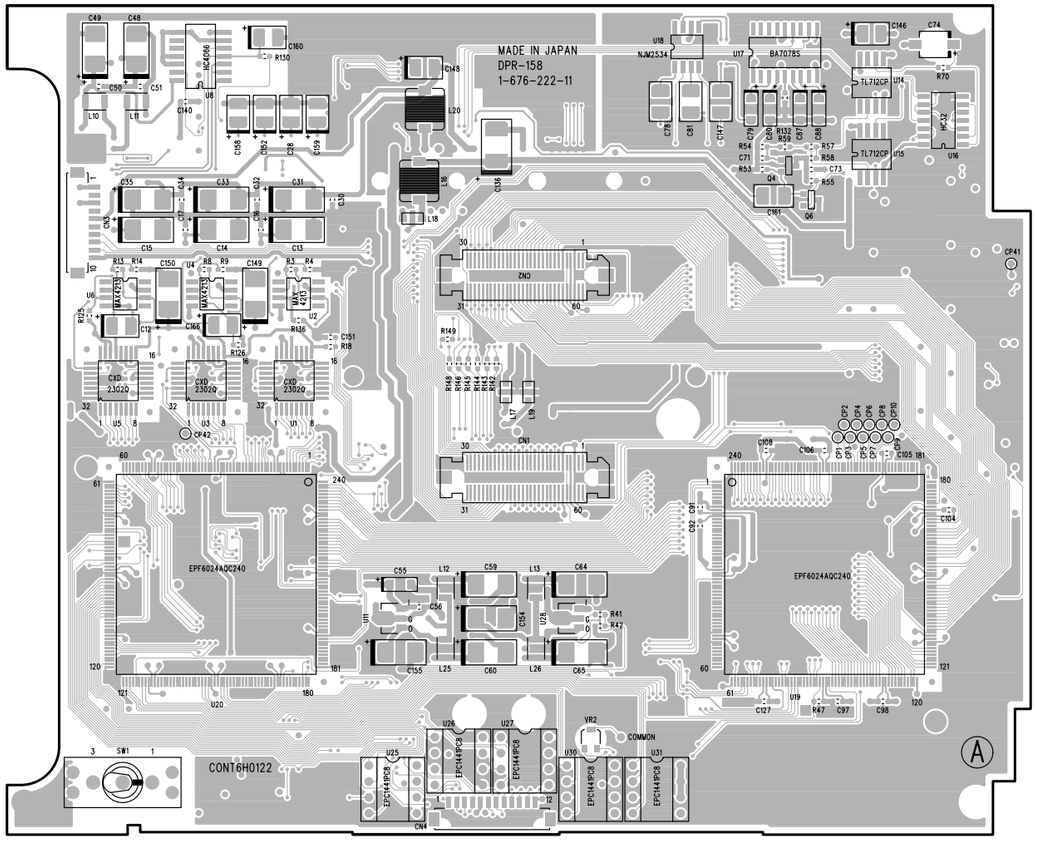
RE-183 -B SIDE-
SUFFIX: -12



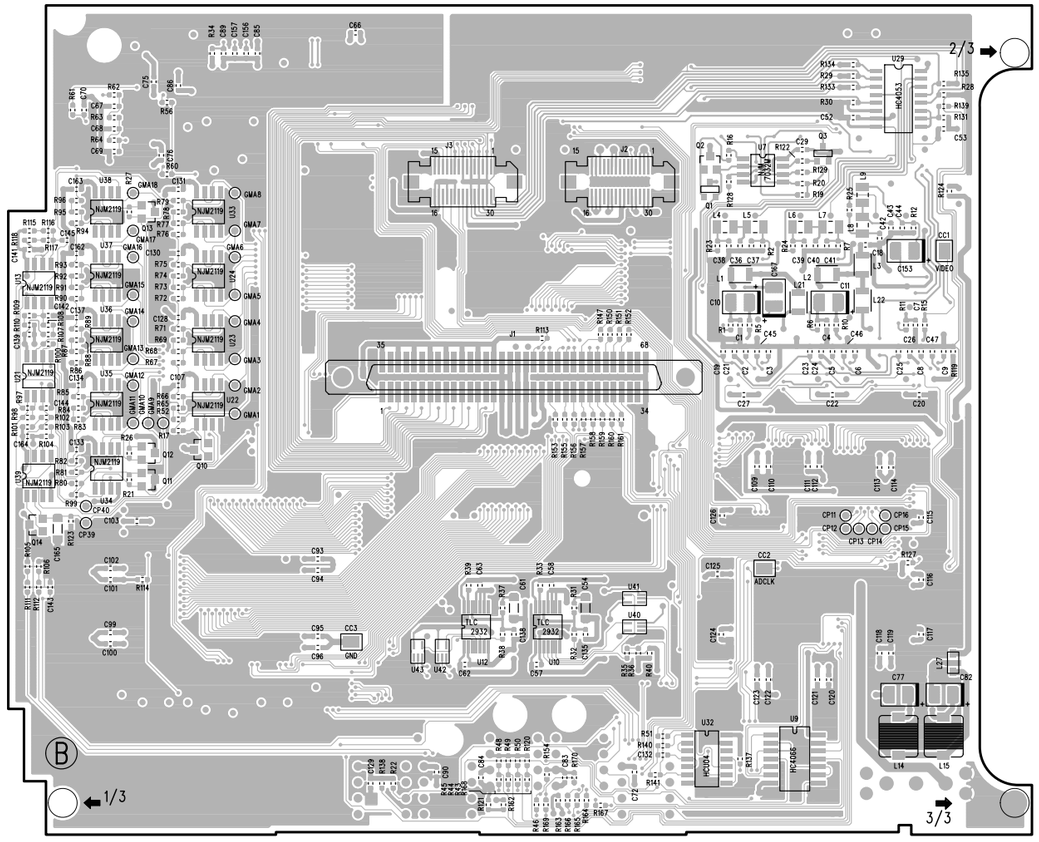
VR-265 -A SIDE-
SUFFIX: -11



VR-265 -B SIDE-
SUFFIX: -11



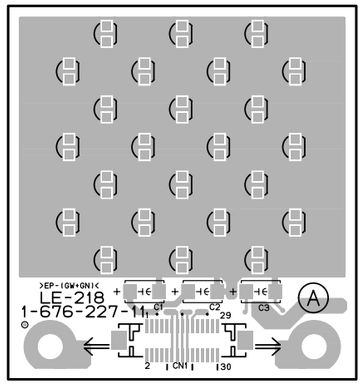
DPR-158 -A SIDE-
SUFFIX: -11



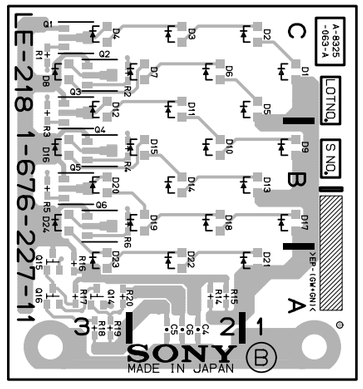
DPR-158 -B SIDE-
SUFFIX: -11

LE-218 (1-676-227-11)

C1	A2	D18	B2	R16	*A3
C2	A2	D19	B2	R17	*A3
C3	A3	D20	B3	R18	*A3
C4	*A2	D21	A1	R19	*A3
C5	*A2	D22	A2	R20	*A3
C6	*A2	D23	A3		
		D24	B3	*:B SIDE	
CN1	A2				
		Q1	*C3		
D1	C1	Q2	*C3		
D2	C1	Q3	*C3		
D3	C2	Q4	*B3		
D4	C3	Q5	*B3		
D5	C1	Q6	*B3		
D6	C2	Q14	*A3		
D7	C2	Q15	*A3		
D8	C3	Q16	*A3		
D9	B1				
D10	B2	R1	*C3		
D11	C2	R2	*C3		
D12	C3	R3	*C3		
D13	B1	R4	*B3		
D14	B2	R5	*B3		
D15	B2	R6	*B3		
D16	B3	R14	*A2		
D17	B1	R15	*A2		

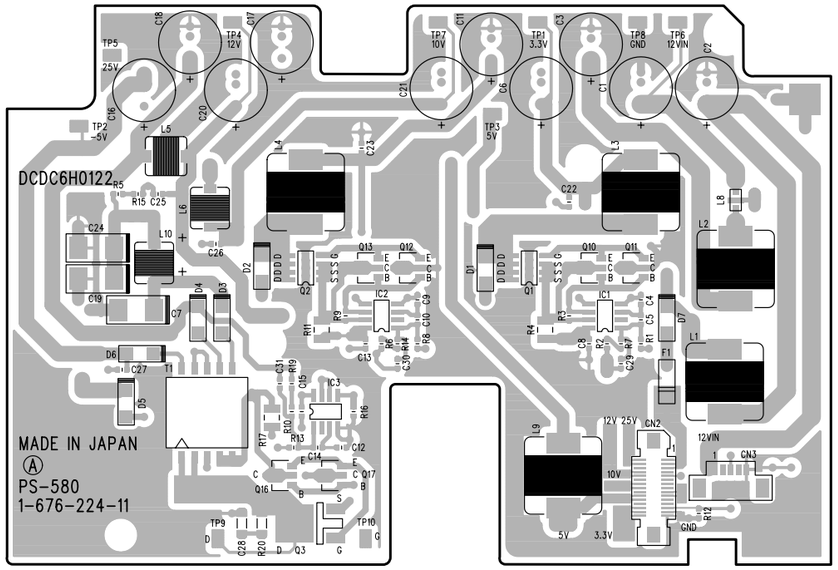


LE-218 -A SIDE-
SUFFIX: -11

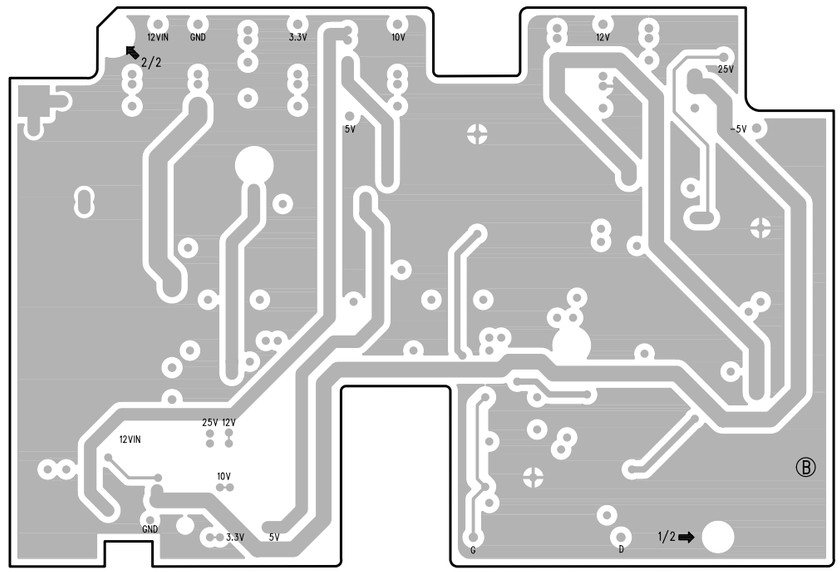


LE-218 -B SIDE-
SUFFIX: -11

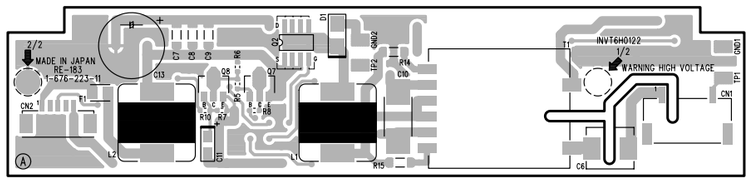
PS-580, RE-183, VR-265



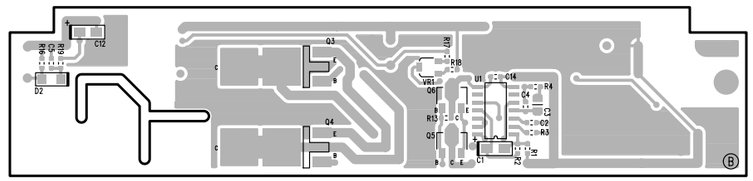
PS-580 -A SIDE-
SUFFIX: -11



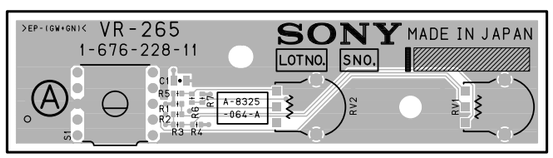
PS-580 -B SIDE-
SUFFIX: -11



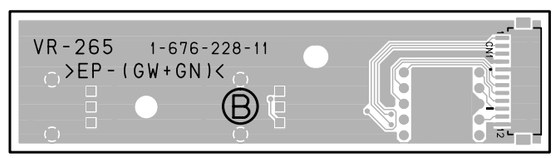
RE-183 -A SIDE-
SUFFIX: -11



RE-183 -B SIDE-
SUFFIX: -11



VR-265 -A SIDE-
SUFFIX: -11



VR-265 -B SIDE-
SUFFIX: -11

このマニュアルに記載されている事柄の著作権は当社にあります。
従って，当社の許可なしに無断で複写したり，説明内容（操作，保守等）と異なる目的で本マニュアルを使用することを禁止します。

The material contained in this manual consists of information that is the property of Sony Corporation.
Sony Corporation expressly prohibits the duplication of any portion of this manual or the use thereof for any purpose other than the operation or maintenance of the equipment described in this manual without the express written permission of Sony Corporation.

Le matériel contenu dans ce manuel consiste en informations qui sont la propriété de Sony Corporation.
Sony Corporation interdit formellement la copie de quelque partie que ce soit de ce manuel ou son emploi pour tout autre but que des opérations ou entretiens de l’équipement à moins d’une permission écrite de Sony Corporation.

Das in dieser Anleitung enthaltene Material besteht aus Informationen, die Eigentum der Sony Corporation sind.
Die Sony Corporation untersagt ausdrücklich die Vervielfältigung jeglicher Teile dieser Anleitung oder den Gebrauch derselben für irgendeinen anderen Zweck als die Bedienung oder Wartung der in dieser Anleitung beschriebenen Ausrüstung ohne ausdrückliche schriftliche Erlaubnis der Sony Corporation.

HDVF-C750W (SY)
HDVF-C700W (SY) J, E
9-968-558-02

Sony Corporation
Communication System Solutions Network Company

Printed in Japan
2001. 1 08
©2000